




The
ROSE
SOCIETY
OF ONTARIO
1932

 **MRS ANNE GRABER**
10 FAIRFAX CRES
SCARBOROUGH ONTARIO
MIL 1Z8

YEAR BOOK
OF
The Rose Society of Ontario
1932



THE MACCOOMB PRESS
TORONTO

PATRONS AND PATRONESSES

THEIR EXCELLENCIES, EARL BESSBOROUGH AND
COUNTESS OF BESSBOROUGH

THE HONOURABLE GEORGE S. HENRY AND MRS. HENRY
LADY EATON

MRS. G. G. ADAM

MR. E. W. BEATTY

MR. AND MRS. C. E. BURDEN

MRS. W. B. BURGoyNE

COMMISSIONER C. E. CHAMBERS

DR. G. I. CHRISTIE

MRS. D. A. DUNLAP

SIR JOSEPH FLAVELLE, BART.

LADY KEMP

THE HONOURABLE T. L. KENNEDY

COL. W. G. MACKENDRICK, D.S.O.

MR. R. S. McLAUGHLIN

MR. HARRY OAKES

MRS. CAMPBELL REAVES

THE HON. WM. D. ROSS AND MRS. ROSS

MRS. P. A. THOMSON

OFFICERS

HONORARY PRESIDENT—COL. HUGH A. ROSE

HONORARY VICE-PRESIDENTS—MR. HENRY BERTRAM, MR. T. W. DUGGAN,
MR. FRANK W. DUNLOP, PROFESSOR A. H. MACLENNAN.

PRESIDENT—MR. ARTHUR J. WEBSTER.

VICE-PRESIDENTS—PROFESSOR A. H. TOMLINSON, MR. J. E. SAMPSON.
MISS ELLA HARCOURT, DR. A. H. ROLPH.

SECRETARY—MISS HAZEL A. WEBSTER, 229 Margueretta St., Toronto.

HONORARY TREASURER—MR. SEELY B. BRUSH, 32 Lowther Ave., Toronto.

BOARD OF DIRECTORS

MISS H. L. BEARDMORE

MR. SEELY B. BRUSH

MR. E. F. COLLINS

MR. C. W. CRUICKSHANK

MRS. A. ALAN GOW

MISS ELLA M. HARCOURT

MR. C. A. G. MATTHEWS

MR. S. A. McFADDEN

*MR. P. H. MITCHELL

MRS. H. NAPIER MOORE

* Advisory Board.

MAJOR A. E. NASH

*DR. A. H. ROLPH

MR. J. E. SAMPSON

*MR. PAUL B. SANDERS

*PROF. A. H. TOMLINSON

MR. JOHN R. WALSH

*MR. A. J. WEBSTER

MISS H. A. WEBSTER

*MR. P. L. WHYTock

MRS. J. LOCKIE WILSON

EXHIBITION COMMITTEE

MR. P. L. Whytock, Chairman

MR. ROY N. ADAMS

MR. J. G. BEARE

MR. C. E. BURDEN

MR. BRYAN CHADWICK

MR. C. W. CRUICKSHANK

MR. S. A. FROST

MRS. A. ALAN GOW

MISS ELLA HARCOURT

MR. E. F. COLLINS, Vice-Chairman

MAJOR A. E. NASH

MR. G. C. T. PEMBERTON

MR. C. W. PERRY

MR. C. E. PRATT

MR. A. G. ROBERTS

DR. A. H. ROLPH

MR. J. E. SAMPSON

MR. PAUL B. SANDERS

EXHIBITION COMMITTEE—Continued

Miss Dorothy Henderson	Mrs. V. E. Soward
Mr. H. C. Higham	Mr. V. E. Soward
Mrs. J. R. Kennedy	Mrs. G. A. Stimson
Mr. F. A. Kent	Mr. J. R. Walsh
Mr. C. A. G. Matthews	Mr. Ford Watson
Mr. S. A. McFadden	Mr. A. J. Webster
Mr. P. H. Mitchell	Mr. S. Williamson
Mrs. H. Napier Moore	Mrs. J. Lockie Wilson
	Mr. J. Lockie Wilson

MEMBERSHIP COMMITTEE

Mr. Paul B. Sanders, Chairman	Mrs. J. Lockie Wilson, Vice-Chairman
Mr. S. B. Brush	Mr. Anson H. Pratt
Mr. C. W. Cruickshank	Col. Hugh A. Rose
Mr. Frank Flett	Mrs. V. E. Soward
Mrs. A. Alan Gow	Mr. J. B. Spencer
Mr. H. C. Higham	Mr. E. J. Thompson
Mr. LeRoy H. Jones	Mrs. P. A. Thomson
Mr. J. W. MacDonald	Mr. A. J. Webster
	Miss H. A. Webster

FINANCE COMMITTEE

Major A. E. Nash, Chairman	Mr. C. A. G. Matthews, Vice-Chairman
Mr. Seely B. Brush	Mr. A. J. Webster
Mr. J. E. Sampson	Miss H. A. Webster
Mr. John R. Walsh	Mr. P. L. Whytock

PUBLICITY COMMITTEE

Mrs. H. Napier Moore, Chairman	
Miss Ella Harcourt	Mr. A. J. Webster
Mr. P. H. Mitchell	Miss H. A. Webster
Mr. Paul B. Sanders	Mr. P. L. Whytock
Mr. J. E. Sampson	Mrs. J. Lockie Wilson

TEST GARDEN COMMITTEE

Col. Hugh A. Rose, Chairman	Dr. A. H. Rolph
Mr. A. J. Webster	

PUBLICATIONS COMMITTEE

Mr. A. J. Webster, Editor of Year Book
Miss Ella Harcourt, Assistant Editor
Mr. Paul B. Sanders, Editor of Bulletins

ADVERTISING COMMITTEE

Mr. John R. Walsh, Chairman	Mr. J. E. Sampson, Vice-Chairman
Mr. S. B. Brush	Mr. P. H. Mitchell
Mr. C. W. Cruickshank	Major A. E. Nash
Mr. S. A. McFadden	Mr. A. J. Webster

PROGRAMME COMMITTEE

Mr. P. H. Mitchell, Chairman	Mr. A. J. Webster
Miss H. A. Webster	

REPRESENTATIVE TO INTERNATIONAL PEACE GARDEN COMMITTEE

Col. Hugh A. Rose

REPRESENTATIVES TO ROYAL WINTER FAIR

Mr. S. B. Brush	Mr. A. J. Webster	Mr. P. L. Whytock
-----------------	-------------------	-------------------

AUDITORS

Mr. G. C. T. Pemberton	Mr. L. A. Winter
------------------------	------------------

INDEX

	PAGE
Title Page.....	1
Patrons, Patronesses, Officers, Directors and Committees.....	2
Index.....	4
Editor's Foreword.....	5
The Annual Meeting, 1931.....	6
President's Greeting.....	8
Report of the Membership Committee.....	9
Report of the Test Garden Committee.....	10
Financial Report.....	11
The Eighteenth Annual Rose Show, Miss E. M. Harcourt.....	12
List of Awards at the 1931 Rose Show.....	16
Winners of Challenge Trophies, 1931.....	17
The Summer Exhibition Prize List, 1932.....	19
The American Rose Society's Annual Meeting.....	26
Coloured Illustration—Julien Potin, Per.....	
The Root Culture of the Rose, "D. T. F.".....	26
Rust, Prof. J. E. Howitt.....	33
Rose Growing in Saskatchewan, Dr. C. F. Patterson.....	34
Roses in Northern Alberta, H. W. Stiles.....	38
Highlights of the 1931 Rose Season, Various Contributors.....	40
Brunettes, The Editor.....	43
Roses Suitable for Hedges, Mrs. L. A. Dunington-Grubb.....	45
Rose Midge, Col. Hugh A. Rose.....	48
Coloured Illustration—Mrs. Sam. McGredy, H.T.....	
Roses of the Future, P. H. Mitchell.....	49
Hybrid Rugosas, Paul B. Sanders.....	55
Notes on Novelties, The Editor.....	60
The Climbing Hybrid Teas.....	68
The Constitution, Rules and By-Laws.....	70
Membership List.....	74
Advertisements.....	101

Foreword

ONCE again the Rose Annual appears, to serve as a reminder of duties in the Rose garden and to lend encouragement and assistance in the solution of Rose problems. We trust that it will prove helpful, and once more we invite suggestions from the members with respect to subjects upon which information is desired in future editions of the Year Book.

Each year sees accessions to the ranks of those who acknowledge the leadership of the Rose as a garden subject. The more poetic, sentimental and romantic among us find the Rose a constant source of inspiration, while the more practical individuals, whose judgments are based upon utilitarian values, point with satisfaction to the convincing demonstration of the Rose during the 1931 season, when, in the Toronto district, we had bloom throughout a period of six months.

It is our duty and pleasure to acknowledge gratefully the assistance rendered by those who have contributed articles appearing in the following pages, and we desire, also, to extend our thanks to Mr. Courtney Page, Honorary Secretary of The National Rose Society, who has kindly permitted us to present a valuable article which appeared in a recent edition of that Society's Year Book.

THE EDITOR.

The Annual Meeting

The Annual Meeting of the Rose Society of Ontario was held in the Royal York Hotel, Toronto, on the evening of November 25th, 1931, the President, Col. Hugh A. Rose, in the Chair. A basket of American Beauty roses, from Mr. S. A. McFadden of Tidy & Son, centered the speakers' table and was afterwards sent to our Hon. Treasurer, Mr. S. B. Brush, who was recovering from a serious illness.

It was proposed by Miss H. L. Beardmore, seconded by Mr. E. J. Thompson and carried, that the minutes of the last annual meeting be taken as read.

Financial Report

In the absence of Mr. S. B. Brush, Mr. A. J. Webster read the financial report and moved that the report, as presented, be accepted. Mrs. H. Napier Moore seconded the motion and it was carried.

Appointment of Auditors

It was moved by Mr. Paul B. Sanders, seconded by Mr. H. J. Moore, and carried, that Mr. G. C. T. Pemberton and Mr. L. A. Winter be reappointed auditors for 1932.

President's Address

Col. Hugh A. Rose gave an account of the activities of the Society for the past year.

Speaker

Professor Caesar, of the Ontario Agricultural College, gave an interesting talk on Insect Pests of Roses.

Miss Mary Yates, of Meadowvale, moved a vote of thanks to Professor Caesar, and Mr. J. H. H. Jury, of Bowmanville, seconded the motion, which was unanimously carried.

Report of the Membership Committee

Mr. C. W. Perry spoke briefly on the work of the Membership Committee, stating that the year closed with a paid up membership of 1,134, the largest the Society has ever had.

Mr. Paul B. Sanders, our Representative to the Canadian Horticultural Council, gave a report on the work of the Council, which appears elsewhere in the Annual.

Proposed Additions to the Constitution

Mr. A. J. Webster moved the following proposed additions to the constitution:

"The Board of Directors may elect from among the members of the Society, in recognition of outstanding services, an Honourary President and four Honourary Vice-Presidents, each to hold office for one year and be eligible for re-election.

The Honourary President may be a member of the Board of Directors *ex officio*."

and that the Board of Directors be authorized to act upon the above resolution during the coming year, the motion to be presented for ratification at the next Annual Meeting. Mr. C. W. Perry seconded this motion and it was carried.

Election of Directors

Col. Hugh A. Rose read the report of the Nominating Committee and the list of 20 members whose names were proposed. It was moved by Mrs. A. Alan Gow, and seconded by Mr. J. G. Beare, and carried, that the nominations be closed and that the 20 members whose names were read be elected Directors of the Society. Mr. E. J. Thompson brought up the point that members from outside Toronto should be elected to the Board. Mr. A. J. Webster answered that while it would be better to have all parts of Ontario represented on the Board, it was not practical. It was suggested that the new president should go into the matter of adequate representation.

It was moved by Mr. C. W. Perry, seconded by Mr. E. J. Thompson, and carried, that the meeting adjourn.

HAZEL A. WEBSTER, Secretary.

ACKNOWLEDGMENT

We are indebted to Mr. R. W. Ashcroft, the General Manager of Radio Broadcasting Station CKGW, and to the other officials of the Station, for placing at our disposal for a series of fifteen-minute broadcasts in June last the facilities of CKGW. We also desire to acknowledge gratefully the assistance rendered by Mr. Ashcroft in permitting for several days prior to the 1931 Exhibition one-minute announcements of the event. It is planned to repeat the series of radio discussions of Rose topics in June next, the names of the respective speakers to be advised in an early edition of The Bulletin.

President's Greeting

At the outset, I desire to express my appreciation of the honour conferred upon me by the Directors of The Rose Society of Ontario in electing me to the Presidency of the Society. It shall be my duty and aim to justify their confidence.

It is my misfortune to follow as Chief Executive one of the bulwarks of the Society, Colonel Hugh A. Rose, whose sound judgment, magnetic personality, and philanthropic zeal have served to elevate him to the pinnacle of his colleagues' regard. Under the aggressive policies of Colonel Rose, the Society's influence has extended beyond the borders of Canada, and its achievements have arrested the attention of sister organizations in the United States and in Europe. It is fortunate, indeed, that we are not to be deprived of the benefits of the services and counsel of Colonel Rose, who, under the authority of an amendment to the Constitution passed at the Annual Meeting in November, 1931, may, as Honorary President, act with full voting powers on the Board of Directors.

The past year has been a period of trial, perplexity and disappointment, but it is my hope that it may have taught us lessons for our future guidance. It surely has given us an altered sense of values,—a conviction that power, possessions and selfish interests do not serve to make man or country permanently great. This thought brings us to a consciousness of the value of the Rose as a counter-irritant, a haven, a retreat from the cares of the day. The new and extensive Rose plantings, the enthusiastic public interest in, and more accurate knowledge of, Rose culture all constitute indisputable evidence of a widespread recognition of the importance of the Queen of Flowers as a factor in ameliorating the conditions under which mankind labors. For bringing about this condition of affairs, The Rose Society of Ontario justly claims a fair share of the credit, and it is my earnest hope that many thousands who thus far may not have experienced the joys of intimacy with the Rose, will gain a true appreciation of its mission.

I desire to appeal to all members, wherever resident, to assist in the up-building of the membership. If each member on record would assume the responsibility of obtaining one

new member, the encouragement thus given your Directors would induce in them a willingness to make even greater sacrifices of time and effort than they already make. May I rely upon this degree of co-operation?

The Annual Exhibition will be held on Tuesday, 28th of June next, in the Royal York Hotel, Toronto, and on that occasion let us create new records. There are classes for all, and I would urge all who desire a new thrill in Rose-growing to exhibit!

The publication of the Bulletin will be continued under the capable Editorship of Mr. Paul B. Sanders.

If you have Rose problems, do not hesitate to write the Secretary, who will either reply direct or arrange for a reply by one of the members of the Advisory Committee.

In conclusion, it is my hope that your Roses will reward your cultural efforts with a profusion of bloom of higher quality than ever before, and, even should they fail to do so, that you will enjoy the satisfaction which results from having made an honest effort.

A. J. WEBSTER,
President.

Membership, December 31, 1931

	Number Paid	Number in arrears one year	Total	New Members	With- drawals
Ordinary.....	1,023	245	1,268	312	155
Sustaining.....	31	5	36	2	5
Life.....	63	—	63	—	—
Hon. Life.....	3	—	3	—	—
Affiliations.....	14	6	20	2	—
	1,134	256	1,390	316	160

HAZEL A. WEBSTER,
Secretary

Report of the Test Garden Committee

In accordance with the plans formulated in 1930, and which were placed on record in the 1930 and 1931 Editions of the Year Book, the initial planting in the newly-established Test Garden, located at Guelph, Ont., was made in the Spring of 1931, when 450 Rose trees, sent for trial by the undermentioned hybridizers, were planted:

CONTRIBUTOR	NUMBER OF TREES
Barbier & Company, Orleans, France.....	30
Cant & Co., Ltd., Frank, Colchester, England.....	18
Chaplin Bros., Ltd., Waltham Cross, England.....	30
Conard-Pyle Company, The, West Grove, Pa., U.S.A.	6
Dickson & Sons, Ltd., Alex., Newtownards, Northern Ireland.....	102
Dobbie & Co., Ltd., Edinburgh, Scotland.....	36
Dot, Pedro, San Felieu de Llobregat, Spain.....	24
Dreer, Henry A., Philadelphia, Pa., U.S.A.....	60
Easlea, Walter, Eastwood, Leigh-on-Sea, England.....	66
Howard & Smith, Los Angeles, Cal., U.S.A.....	18
Lambert, Peter, Trier, Germany.....	12
Leenders & Co., Steyl-Tegelen, Holland.....	36
Van Rossem, G. A., Naarden, Holland.....	12
	<hr/> 450

The results to date vary widely, and we feel that it would be unfair to publish reports on the behaviour of the respective varieties based upon one year's trial only. Moreover, as yet we are not in a position to report on their hardiness in this climate in view of which fact detailed comment must be withheld until 1932.

Important additions to the collection of Roses on test will be made in 1932, but at the time of writing we are unable to determine the exact number of trees to be planted this Spring. Much credit is due to Mr. Paul B. Sanders for his painstaking work in maintaining the voluminous records necessary in connection with the Test Garden.

HUGH A. ROSE,
Chairman.

FINANCIAL STATEMENT

11

FINANCIAL REPORT, NOVEMBER 21st, 1931

Cash Balance November, 1930:

Life Membership Reserve.....	\$ 248.47
Exhibition Reserve.....	661.50
Current.....	79.00

RECEIPTS

Sustaining Members.....	\$ 165.00	
Remitted by Members.....	1,049.15	
Transferred from Life Membership Reserve	25.59	
Affiliated Societies.....	15.00	1,254.74
Exhibition:		
Entries.....	\$ 92.75	
Auction.....	89.60	
Door.....	199.50	
Tickets.....	231.00	
Prize Fund.....	215.00	827.85
Year Book.....		566.49
Sundry.....		1.91
Interest.....		13.04
		2,664.03

Exhibition:

DISBURSEMENTS

\$3,653.00

Advertising.....	\$217.88	
Hotel.....	262.50	
Table Cards.....	5.00	
Signwriter.....	14.50	
Music.....	36.00	
Moss.....	7.50	
Stationery.....	105.30	
Postage.....	38.00	
Attendance.....	20.00	
Sundry.....	20.34	
Storage and Cartage.....	74.25	
Insurance, Stock.....	2.55	
Insurance, Cups.....	16.00	
	\$819.82	
Prize Awards.....	400.45	
		\$1,220.27
Year Book.....		967.22
Lectures and Entertainment.....		86.94
Bulletins.....		187.69
Affiliated Societies Expense.....		12.60
Test Garden.....		95.37
Maintenance Expense:		
Postage.....	\$ 73.64	
Stationery.....	110.21	
Annual Meeting.....	66.70	
Secretary.....	300.00	
		550.55
Sundry.....	\$ 30.20	
Peace Garden.....	7.32	
Dunlop Memorial Trophy.....	63.80	
Horticultural Council.....	25.00	
Advertising.....	10.00	
Cheque returned.....	1.00	137.32
		\$3,257.96
Balance.....		395.04
		\$3,653.00

ASSETS

Balance Life Membership Reserve Fund	\$226.60
Balance Exhibition Reserve Fund	91.15
Bank of Montreal—Current Account.....	52.32
Cash on hand.....	24.97
	<hr/>
	\$395.04

S. B. BRUSH, Hon. Treas.

Audited and found correct.

L. A. WINTER,
G. C. T. PEMBERTON,
Auditors.

The Eighteenth Annual Exhibition

By Miss E. M. Harcourt

The Eighteenth Annual Rose Show of the Rose Society of Ontario was held at the Royal York Hotel, Toronto, on June 20th, 1931,—the earliest date ever set for it within my memory. As a Rose Show it was undoubtedly the most interesting and instructive we have ever held,—to say nothing of its beauty,—for here, at last, were the early H.T's. in their glory, beautifully shown and correctly labeled, and, after all, the H.T's. are the pinnacle of rose-growing.

The perfectly awful weather, humid, tropical heat all day and a severe storm in the evening, coupled with the unfortunate fact that Saturday was the only day within the rose season on which the big room could be secured, lowered the attendance. On the other hand, it was felt that those who braved the elements and came to the Show were the real enthusiasts, and this was verified when one saw how eagerly every exhibit was examined and admired, how the people lingered in the fragrant atmosphere, and with what intelligent interest the relative merits of the various varieties were discussed on every side. Truly we are becoming a province of rose lovers. And at this Rose Show we had such fine examples of so many of the newer roses. For instance, those who continue to uphold the Claudius Pernet School of Thought against the more modern Julien Potin cult could make direct comparison and could find many growers of both with whom to debate. Argument raged around a vase of Elizabeth

Princess of Greece;—was she really as fine a rose as that exhibit made her out to be? The experts differed, but, just the same, I saw many mark her on their lists, lured by her magnificent colour. There was no difference of opinion about the Best Rose in the Show. Everyone agrees about the fine qualities and the beauty of Mrs. Henry Morse, and the specimen shown by that valued friend of the Rose Society, Mr. Henry Bertram of Dundas, was perfection itself.

It was too early for many Climbers, but Dr. Rolph had some lovely sprays of his famous Cupid and Le Reve, and Col. Rose brought an exhibit of a new Climbing Rose, with the size and substance of a H.T., called Mme. Gregoire Staechelin, which was very lovely, although the intense heat caused some of the delicate pink petals to fall.

Here I must put in a word of explanation about the choice of the date for our Rose Show, because every year the Exhibition Committee meets with severe criticism,—not always from the same sources. And this is why: in our Province there are wide variations in temperature; it is impossible to have all the roses everywhere at their best at any given time. So the date is shifted, now early, now later, so that various districts may get a chance. Arranging the date, as we must, a year in advance, there is some guess work about it, but see what variety this gives our Rose Show. One year we get Climbers in profusion, the sweet old H.P's. and the Polyanthas, while the colder districts have a chance to show their H.T's. Another year, such as this, we catch the H.T's. from the warmer parts and the early Briars and Hybrid Rugosas. This year we were too early for Mr. Heward's Oakville garden, and many of us mourned; but, at last, our members had a chance to enjoy the beautiful exhibit of his wonderful Austrian Copper Briar, and to admire the parent of the Pernetiana Roses. We were too early also for the Ontario Agricultural College of Guelph, and, although they sent a very fine exhibit, still we remembered their magnificent display of the previous year when the Show was later. The city gardeners fared better and Lady Eaton, the Alexandra Park and Exhibition Park were able to send a profusion of fine roses. And, although here again we had no complaint to make of the quality of the exhibit, the St. Catharines Board of Parks said the Show was late for their best bloom. As a decoration we missed the gorgeous Delphinium this year,—the colour blue was missing from our

palette—but there were lovely peonies in the big exhibits as a foil for the roses, and what could be more decorative?

Those good friends, the Professional Rose Growers and Florists stood by us nobly, as usual, and we must express our gratitude to the following for their beautiful displays:—John H. Dunlop & Son, and Dale's of Brampton—who sent masses of roses and lily-of-the-valley that added greatly to the beauty of the Show,—S. Tidy & Son, People's Florist, Mrs. Percy Waters, Stan Muston, Violet Shop, S. A. Frost, Winona Flowers, and Dunlop's Ltd., all of whom sent artistically arranged exhibits. The new feature in the Professional Class, an exhibit of Bridal Bouquets, was a great success and drew crowds of admirers all day long.

Another new and popular class was the one originated by Mrs. P. A. Thomson, of Montreal,—a vase or bowl of roses, grown and exhibited by a woman. Her handsome trophy was eagerly competed for, and I foresee that in the future this class will rival in size the immense tea-table class. Mrs. Thomson is our only exhibitor from outside Ontario, and she carried off the Hon. Geo. S. Henry Trophy for a bowl of very fine yellow roses.

Our many new Challenge Cups were greatly admired this year and most of the lucky winners felt as proud as peacocks. An exception was our President, Col. H. A. Rose, who again carried off the Sweepstakes Prize and won the wonderful Trophy given by Mr. Harry Oakes of Niagara. Col. Rose would like someone else to win that prize, and we had difficulty in persuading him to compete this year,—not to exhibit, of course (he is always ready to cut his marvellous roses for the enjoyment of others), but he yearned to be in the non-competitive class. It was only by painting a heart-rending picture of the blanks in the big classes that the Committee prevailed upon him. Everyone else enjoys his un-failing success at the Rose Show and is spurred on to greater efforts by it, for in his case it certainly is not achieved by "sitting in the shade."

I cannot begin to "cover" the Show, for my notes are even scantier than usual. I honestly thought our Editor was going to give his readers a new writer this year with fresh impressions and, above all, a different set of adjectives. I suggest the R.S.O. members rise up and demand a change! I find however, an ecstatic reference to the orange flame colour of Zingari and the brilliant single red, Vesuvius, and

then a gasping scrawl about a table full of snow white Druschkis. I remember going several times to look at them in order to cool off! Another note reminds me that the three Poulsen Polyanthas, Else, Ellen and Kirsten, are coming to the fore in our rose gardens, and I imagine the nursery-men will be sold out of this delightful family.

Staging so large an exhibition in a few hours is to me a never-failing miracle, and comparatively few mistakes are made, but there are bound to be one or two, and this year was no exception. Fortunately the victims were good sports and realized that an occasional oversight was to be forgiven. For the Committee worked devotedly and with good humour in a temperature to try the constitution of a Hottentot.

The auction of roses which constitutes the finale of the Show was indeed a howling success, as Mr. Napier Moore and Mr. Jack MacLaren took separate stands and each tried to drown the other out, with such hilarious results that the 1931 Rose Show dissolved in a final burst of laughter, fragrance and colour that filled the corridors of the Royal York and overflowed into the streets of the city.

Contributions to Prize Fund, 1931

Anonymous.....	\$ 25.00
Mr. Henry Bertram.....	25.00
Lady Eaton.....	25.00
Mr. A. D. Heward.....	25.00
Mr. R. S. McLaughlin.....	25.00
Col. Hugh A. Rose.....	25.00
Mr. E. R. Wood.....	25.00
Sir Joseph W. Flavelle.....	10.00
Col. W. G. MacKendrick.....	10.00
Mr. G. G. Adam.....	5.00
Major A. C. Snively.....	5.00
Mr. A. J. Webster.....	5.00
Messrs. Wellington & Davidson.....	5.00
	<hr/>
	\$215.00

Awards of the 1931 Show

Class	First Prize	Second Prize	Third Prize
1	Dale Estate Limited		
2	Dale Estate Limited		
3	Mr. S. A. Frost		
4	Alexandra Park, Toronto	Board of Park Man't, Exhibition Park, St. Catharines	Toronto
5	Col. Hugh A. Rose	Board of Park Man't., St. Catharines	
6	Col. Hugh A. Rose	Mr. Hugh Templin	Mr. Wm. Little
7	Col. Hugh A. Rose	Mr. Wm. Little	
8	Col. Hugh A. Rose	Mr. Wm. Little	
9	Col. Hugh A. Rose	Mr. Wm. Little	
10	Mrs. A. J. Webster	Col. Hugh A. Rose	
11	Col. Hugh A. Rose	Board of Park Man't, St. Catharines	Mrs. P. A. Thomson
12	No Award		
13	Col. Hugh A. Rose	Mr. Wm. Little	
14	Col. Hugh A. Rose	Mrs. A. Blundell	Mr. Wm. Little
15	Col. Hugh A. Rose	Mrs. A. Blundell	
16	Col. Hugh A. Rose	Mrs. A. Blundell	
17	Mrs. A. Blundell	Mr. A. S. Myhill	Mr. D. J. Mitchell
18	Mrs. A. Blundell	Mrs. F. E. Thompson	Mrs. C. Hilbert
19	Mr. N. G. Fleming	Mrs. F. E. Thompson	
20	Col. Hugh A. Rose	Mr. H. Dickinson	
21	Mrs. S. Williamson	Mr. A. D. Heward	Col. Hugh A. Rose
22	Mr. John Young	Mr. H. Dickinson	Mrs. S. Williamson
23	Mr. J. G. Beare	Mr. John Young	Mr. H. Dickinson
24	Mrs. A. Blundell	Mrs. M. Nicholl	Mr. H. Dickinson
25	Mr. D. J. Mitchell	Mrs. S. Williamson	Mr. H. Dickinson
26	Mr. H. Dickinson	Mrs. G. A. Reid	Mrs. A. Blundell
27	Mrs. A. A. Gow	Mr. R. McBride	Mrs. J. E. Brayley
28	Mrs. S. Williamson	Mr. A. S. Myhill	Mrs. A. Jack
29	Mrs. S. Williamson	Mr. D. J. Mitchell	Mr. J. W. MacDonald
30	Mrs. G. A. Reid	Mr. James Daxon	Mr. D. Johnson
31	Mr. John Young	Mrs. P. A. Thomson	Mrs. G. Maxwell
32	Mrs. J. Gilson	Mrs. Douglas	Mrs. V. E. Soward
33	Mr. F. H. Stewart	Mr. J. E. Brayley	Mrs. Douglas
34	Mr. F. H. Stewart	Mr. James Masson	Mr. S. A. Davies
35	Mr. R. M. Davies	Mrs. J. L. Wilson	Mrs. H. Napier Moore
36	Mrs. A. Blundell	Col. Hugh A. Rose	Mr. J. S. Hall
37	Mr. H. Dickinson	Mrs. J. R. Kennedy	Mr. John Young
38	Mrs. J. E. Cohoe	Mrs. A. Blundell	Col. Hugh A. Rose
39	Mrs. P. A. Thomson	Mrs. J. E. Cohoe	Mr. John Young
40	Miss E. Harcourt	Miss O. S. Brush	Mrs. A. J. Webster
41	Mrs. J. E. Cohoe	Mrs. A. Blundell	
42	Col. Hugh A. Rose	Miss E. M. Rowland	
43	Col. Hugh A. Rose	Mrs. A. J. Webster	Mrs. A. Jack
44	Col. Hugh A. Rose	Mrs. A. J. Webster	
45	Col. Hugh A. Rose	Board of Park Man't, St. Catharines	Miss E. M. Rowland
46	Mr. A. D. Heward	Mrs. A. A. Gow	Mrs. J. R. Kennedy
47	Col. Hugh A. Rose	Mrs. C. Hilbert	Mrs. J. R. Kennedy
48	Miss O. S. Brush	Mrs. J. R. Kennedy	Col. Hugh A. Rose

Class	First Prize	Second Prize	Third Prize
49	Col. Hugh A. Rose		
50	Mr. John Young	Mrs. S. Williamson	Mrs. J. E. Cohoe
51	Mr. John Young	Mrs. A. J. Webster	Mrs. J. E. Cohoe
52	Col. Hugh A. Rose	Mrs. P. A. Thomson	
53	Mrs. J. R. Kennedy	Mrs. A. A. Gow	Mrs. J. Winnett
54	Col. Hugh A. Rose	Board of Park Man't.,	St. Catharines
55	Mrs. W. J. Lawrence	Col. Hugh A. Rose	Miss E. M. Rowland
56	Mrs. P. A. Thomson	Mrs. A. J. Webster	Mrs. A. Blundell
57	Mrs. A. A. Gow	Mrs. J. R. Kennedy	Mrs. T. E. Harris

Winners of Challenge Trophies, 1931

- "Dunlop Challenge Trophy," presented by Messrs. John H. Dunlop & Son, Limited, for a display of Roses on a table covering approximately 30 square feet, open to Civic, Community and Government Gardens and Horticultural Societies.—Won by Alexandra Park, Toronto.
- "Major H. B. Burgoyne Challenge Trophy," presented by Major H. B. Burgoyne for Class 5.—Won by Col. Hugh A. Rose.
- "Avoca Vale Memorial Challenge Cup," presented by Mr. T. J. Moore, Avoca Vale, Moore Park, for Class 8.—Won by Col. Hugh A. Rose.
- "McGredy Challenge Cup," presented by Messrs. Samuel McGredy & Son, for Class 9.—Won by Col. Hugh A. Rose.
- "Kents Limited Challenge Cup," presented by Messrs. Kents Limited, for Class 11.—Won by Col. Hugh A. Rose.
- "Ella Baines Memorial Challenge Cup," presented by Dr. Allen Baines in memory of the founder of The Rose Society of Ontario, Mrs. Allen Baines, for Class 13.—Won by Col. Hugh A. Rose.
- "F. A. Kent Challenge Cup," presented by Mr. Frederick A. Kent for Class 20.—Won by Col. Hugh A. Rose.
- "The Canadian Bank of Commerce Challenge Cup," presented by The Canadian Bank of Commerce, for Class 21.—Won by Mrs. S. Williamson.
- "Miss Vera McCann Challenge Trophy," presented by Miss Vera McCann for Class 22.—Won by Mr. John Young.
- "The John H. Dunlop Memorial Challenge Trophy," presented in memory of the late John H. Dunlop for Class 27.—Won by Mrs. A. Alan Gow.
- "Ellis Challenge Trophy," presented by Messrs. Ellis Bros., Limited, for Class 28.—Won by Mrs. S. Williamson.
- "Merryweather Challenge Cup," presented by Messrs. H. Merryweather & Sons, Limited, for Class 29.—Won by Mrs. S. Williamson.
- "Burden Challenge Cup," presented by Mr. and Mrs. C. E. Burden for Class 30.—Won by Mrs. G. A. Reid.
- "Eaton Challenge Trophy," presented by Messrs. The T. Eaton Company, Limited, for Class 31.—Won by Mr. John Young.
- "F. Barry Hayes Challenge Trophy," presented by Mr. F. Barry Hayes to be competed for in Class 35 by growers having small gardens with thirty or fewer bushes.—Won by Mr. R. M. Davies.

- "W. B. Burgoyne Memorial Challenge Trophy," presented by Mrs. W. B. Burgoyne for Class 36.—Won by Mrs. Arthur Blundell.
- "Lady Kemp Memorial Challenge Trophy," presented by the late Sir Edward Kemp in memory of the late Lady Kemp for Class 37.—Won by Mr. H. Dickinson.
- "Royal York Hotel Challenge Trophy," presented by The Royal York Hotel for Class 38.—Won by Mrs. J. E. Cohoe.
- "The Honourable Geo. S. Henry Challenge Trophy," presented by the Hon. Geo. S. Henry for Class 39.—Won by Mrs. P. A. Thomson.
- "The E. W. Beatty Challenge Trophy," presented by Mr. E. W. Beatty for Class 40.—Won by Miss E. M. Harcourt.
- "The Honourable W. D. Ross Challenge Trophy," presented by the Hon. W. D. Ross for Class 41.—Won by Mrs. J. E. Cohoe.
- "Ellis Brothers, Limited, Challenge Trophy," presented by Messrs. Ellis Bros., Limited, for Class 46.—Won by Mr. A. D. Heward.
- "F. Barry Hayes Challenge Trophy," presented by Mr. F. Barry Hayes for a small tea table decoration of Roses, Class 48.—Won by Miss Olive S. Brush.
- "Colonel Hugh A. Rose Challenge Trophy," presented by Col. Hugh A. Rose for Class 50.—Won by Mr. John Young.
- "King Edward Hotel Challenge Trophy," presented by The King Edward Hotel Company, Limited, for Class 51.—Won by Mr. John Young.
- "Roseholme Challenge Trophy," presented by Mrs. Walter H. Lyon for Class 54.—Won by Col. Hugh A. Rose.
- "Mrs. P. A. Thomson Challenge Trophy," presented by Mrs. P. A. Thomson for Class 57—competition open to women only.—Won by Mrs. A. Alan Gow.
- "Mitchell Challenge Trophy," presented by Mr. P. H. Mitchell for the Best Rose in the Show.—Won by Mr. Henry Bertram.
- "The Harry Oakes Challenge Trophy," presented by Mr. Harry Oakes for the highest aggregate score of points.—Won by Col. Hugh A. Rose.
-

The Rose Society of Ontario has donated a Challenge Trophy for competition among members of the Horticulture Club, a student organization of the Ontario Agricultural College, and, at different times throughout the College year, these students hold rose-judging competitions, the member securing the greatest aggregate number of points in these competitions being awarded a miniature of the Trophy as a permanent symbol of his ability, and also retaining possession of the original Trophy for one year. A silver medal is also awarded to the runner-up, while the student in third place receives a bronze medal. During the winter of 1930-31 five contests were held at the College, the following students winning the awards, which were presented to them in the spring of 1931. First: D. M. Haight, R.R. No. 3, Norwich, Ont.; second: M. C. Macklin, Milliken, Ont.; and third: L. G. Herman, R.R. No. 3, New Hamburg, Ont.

THE SUMMER EXHIBITION PRIZE LIST, 1932

Note:—All Roses in competition should be correctly and legibly named.

CLASSES		PRIZES		
PROFESSIONAL COMMERCIAL (Indoor Roses)		FIRST	SECOND	THIRD
Note:—All blooms in competition in Class 1, to be one pinch.				
Class				
1. Vase of 25 Roses, any variety.....		\$15.00.....	\$10.00.....	\$5.00
2. Vase of 50 Roses, any variety.....		Non-competitive display	only.	
RETAIL FLORISTS' SPECIAL				
3. Bridal Bouquet, not less than 24 or more than 36 Roses. Any foliage may be used.		Do.		
OPEN (Outdoor Roses)				
4. Display of Roses on table covering approximately 30 square feet, arrangement to count. Open to Civic, Community and Government Gardens and to Horticultural Societies in the Province of Ontario.		Challenge Trophy, Dunlop & Son, Ltd.	Silver Medal The R.S. of O.	Bronze Medal, The R.S. of O.
PROFESSIONAL (Outdoor Roses)				
5. Display of Roses on table covering approximately 30 square feet, arrangement to count in judging.		Challenge Trophy, Major H. B. Burgoyne	Do.	Do.
SEMI-PROFESSIONAL (Outdoor Roses)				
6. Twelve blooms, H.T.'s, separate varieties, correctly named, shown in R.S.O. boxes.		Silver Gilt Medal, The R.S.O.	\$2.00.....	Diploma
7. Twenty-four blooms, correctly named, not less than six varieties, H.T. or H.P., shown in R.S.O. boxes.		Do.	\$3.00.....	Do.
8. Exhibit of Roses, not more than 36 or fewer than 12 blooms or sprays of any kind, shown in R.S.O. boxes.		T. J. Moore Memorial Challenge Cup	\$3.00.....	Diploma

CLASSES		PRIZES	
9. Forty-eight H.P.'s, 48 H.T.'s, or 48 Teas, shown in R.S.O. boxes.	Challenge Cup, S. McGredy & Son	\$3.00	Diploma
10. Ten Sprays of Climbing Roses (Climbing H.P.'s, H.T.'s, or T.'s excluded), to be shown in vases.	\$3.00	\$2.00	Do.
11. Ten Cream or White Roses to be shown in a vase.	Challenge Trophy, Kents, Limited	\$2.00	Do.
12. Exhibit of New Roses, not over 5 years in commerce, correctly and legibly named, shown in R.S.O. boxes. To qualify, not fewer than 12 blooms of distinct varieties must be shown.	Silver Medal	Bronze Medal	Do.
SEMI-AMATEUR (Outdoor Roses)			
HYBRID PERPETUALS			
13. Twelve H.P.'s, not less than six varieties, correctly and legibly named, shown in R.S.O. boxes.	Ella Baines Memorial Challenge Cup	\$3.00	Do.
14. Six H.P.'s, Red, correctly and legibly named, shown in R.S.O. boxes.	\$3.00	\$2.00	Do.
15. Six H.P.'s, Pink, correctly and legibly named, shown in R.S.O. boxes.	\$3.00	\$2.00	Do.
16. Six H.P.'s, White or Cream, correctly and legibly named, shown in R.S.O. boxes.	\$3.00	\$2.00	Do.
AMATEUR (Outdoor Roses)			
HYBRID PERPETUALS			
17. Three H.P.'s, any variety, shown in a vase.	\$3.00	\$2.00	\$1.00
18. Six H.P.'s, any variety, shown in a vase	\$3.00	\$2.00	\$1.00
NOVICE CLASS (Outdoor Roses). NOTE			
19. Six H.P.'s, any variety, shown in a vase	\$3.00	who has never exhibited before.	\$1.00

CLASSES		PRIZES	
SEMI-AMATEUR (Outdoor Roses)			
HYBRID TEAS			
20. Twelve H.T.'s, not less than six varieties, correctly and legibly named, shown in vases.	Challenge Cup, Fred. A. Kent	\$3.00	Diploma
21. Twelve H.T.'s, correctly and legibly named, shown in vases.	Challenge Cup, The Can. Bank of Commerce (Three year Challenge)	\$3.00	Do.
22. Six H.T.'s, Red, correctly and legibly named, shown in a vase.	Challenge Trophy, Miss Vera McCann	\$2.00	Do.
23. Six H.T.'s, Pink, correctly and legibly named, shown in a vase.	\$3.00	\$2.00	Do.
24. Six H.T.'s, White or Cream, correctly and legibly named, shown in a vase.	\$3.00	\$2.00	Do.
25. Six H.T.'s, Yellow, correctly and legibly shown in a vase.	\$3.00	\$2.00	Do.
AMATEUR CLASSES (Outdoor Roses)			
(Amateurs may compete in any of the preceding classes.)			
26. Three H.T.'s, any variety, shown in a vase.	\$3.00	\$2.00	\$1.00
27. Six H.T.'s, any variety shown in a vase.	John H. Dunlop Memorial Trophy	\$2.00	\$1.00
28. Twelve H.T.'s, any variety, shown in vases, not necessary to be named.	Challenge Trophy, Ellis Bros. Ltd.	\$3.00	\$2.00
29. Twelve H.T.'s, correctly and legibly named, shown in vases.	Challenge Cup, H. Merryweather & Sons Ltd.	\$3.00	\$2.00
30. Specimen Bloom, any type other than Hybrid Perpetual, shown in a vase, length of stem and foliage to be taken into consideration.	Challenge Trophy, Mr. and Mrs. C. E. Burden	\$2.00	\$1.00
31. Specimen Bloom, Hybrid Perpetual, shown in a vase, length of stem and foliage to be taken into consideration.	The T. Eaton Co. Ltd. Trophy	\$2.00	\$1.00

CLASSES		PRIZES	
NOVICE CLASSES (Outdoor Roses). NOTE: HYBRID TEAS		—A novice is an amateur who has never exhibited before.	
32. Six H.T.'s, any color but Pink, shown in a vase		\$3.00.....	\$2.00.....
33. Six H.T.'s, Pink, any variety, shown in a vase		\$3.00.....	\$2.00.....
34. Specimen Bloom, H.T., shown in a vase, length of stem and foliage to be taken into consideration.		Silver Medal, The R.S. of O.	\$2.00.....
SPECIAL NOVICE CLASS (For the Small Gardens)			
35. Exhibit of Roses, H.P. or H.T., shown in vases, exhibitor not to have over 30 bushes in his garden.		Challenge Trophy, F. Barry Hayes	\$3.00.....
DECORATIVE CLASSES (Outdoor Roses) (Open to all members except commercial growers and florists).			
36. Most beautiful basket of Roses, any size.....		W. B. Burgoyne..... Memorial Trophy	\$3.00.....
37. Roses to be arranged in a vase or bowl, not less than six varieties and not more than twelve blooms, any kind but Ramblers.		Lady Kemp Memorial Trophy	\$3.00.....
38. Bowl or Vase of H.T.'s, Red, not fewer than 9 or more than 15 blooms, arrangement to count.		Royal York Hotel Challenge Trophy	\$3.00.....
39. Bowl or Vase of H.T.'s, Yellow, not fewer than 9 or more than 15 blooms, arrangement to count.		Challenge Trophy The Hon. George S. Henry	\$3.00.....
40. Bowl or Vase of H.T.'s, Pink, not fewer than 9 or more than 15 blooms, arrangement to count.		Challenge Trophy E. W. Beatty	\$3.00.....
41. Bowl or Vase of H.T.'s, Cream or White, not fewer than 9 or more than 15 blooms, arrangement to count.		Challenge Trophy The Hon. W. D. Ross	\$3.00.....
42. Bowl or Vase of Climbing or Rambler Roses, Pink (Climbing H.P.'s, H.T.'s and T.'s excluded), arrangement to count.		Silver Medal, The R.S. of O.	\$2.00.....
			\$1.00.....

CLASSES	PRIZES	
43. Bowl or Vase of Climbing or Rambler Roses, any color but Pink (Climbing H.P.'s, H.T.'s and T.'s excluded), arrangement to count.	\$2.00.....	\$1.00
44. Bowl or Vase of Polyantha Roses, single, arrangement to count.	\$3.00.....	\$2.00
45. Bowl or Vase of Polyantha Roses, double or semi-double, arrangement to count.	\$3.00.....	\$2.00
46. Basket of Roses, any size, arrangement to be considered.	\$3.00.....	\$2.00
47. Small Basket of Roses, not to be higher or longer than 15 inches, including blooms.	\$3.00.....	\$2.00
48. Small Decoration of Roses (suitable for a 5 o'clock tea table or tea tray) to be arranged in a small vase or bowl, artistic arrangement and bloom to be considered.	\$3.00.....	\$2.00
49. Bowl or Vase of Single Roses, arrangement to count.	\$5.00.....	\$2.00
50. Most beautiful Basket of Red Roses, any size, arrangement to count.	\$3.00.....	\$2.00
51. Most beautiful Basket of Pink Roses, any size, arrangement to count..	\$3.00.....	\$2.00
52. Most beautiful Basket of Yellow Roses, any size, arrangement to count.	American Rose Soc-	\$2.00
53. Gentleman's Boutonniere.....	iety's Bronze Medal	\$1.00
54. Dinner Table Decoration, Roses only, must be grown by exhibitor, any foliage, flower receptacles to be supplied by the exhibitor, uniform tables and linen supplied by The R.S. of O. Service for 8 persons provided by Ellis Bros., Ltd. Entries in this class must be sent to Mr. S. B. Brush, 32 Lowther Avenue, Toronto, at least three days previous to the show.	\$3.00.....	\$2.00

CLASSES	PRIZES
SPECIAL CLASSES	
(Open to all members except commercial growers and florists.) 55. Specimen Rose with the finest fragrance	
56. Six fragrant Red Roses, H.T. or H.P., any variety, shown in a vase. NOTE:—The above two classes to be judged on a basis of 60 points for fragrance, and 40 points for color, form, substance, stem, foliage and condition.	Bottle of Perfume, J. R. Kennedy \$3.00..... \$2.00
SPECIAL CLASS	
(OPEN TO AMATEUR WOMEN MEMBERS)	
57. Best Vase of Roses, must be grown and exhibited by a woman.	Challenge Trophy, Mrs. P. A. Thomson \$3.00..... \$2.00
58. Specimen Bloom, H.T. or H.P., grown in the Province of Quebec.	Prize presented by P. A. Thomson \$2.00
BEST ROSE IN THE SHOW	Challenge Trophy, P. H. Mitchell
To be selected from any entry.	
SWEEPSTAKES PRIZE	
Winner of the highest aggregate score of points	Challenge Trophy, Harry Oakes

For purposes of this Show an Amateur is defined as a person who does not grow flowers for profit, and who cultivates Roses without the assistance of skilled gardeners, but who may employ a laborer.

A Novice is an Amateur who has never exhibited before.

In all classes except Numbers 3 and 54 Rose foliage only is to be used.

An entry fee of 25 cents per entry is payable in advance to the officer in charge of the chart.

For purposes of this Show Pernetianas are regarded as Hybrid Teas.

The use of wire or other artificial supports in the Decorative Classes is prohibited.

Prizes will not be awarded unless exhibits are considered worthy.

All exhibits must be staged by 12.00 p.m., in order that the judges may proceed with their work.

The American Rose Society

We are pleased to announce that the Annual Meeting of The American Rose Society will be held in Toronto, on 27th and 28th June next, the date having been selected to coincide with that of our Rose Show. This is a signal honour for Ontario, and for Canada, as never before has our sister organization held its Annual Meeting beyond the borders of the United States. The acceptance by the Directors of The American Rose Society of our invitation to come to Toronto imposes upon The Rose Society of Ontario the responsibility of making the 1932 Show the greatest on record from the viewpoint of numbers of entries, and the members are urged to assist the Exhibition Committee to that end.

The Root Culture of the Rose

By D. T. F.

(Reprinted by the kind permission of The National Rose Society.)

The weakest part of most Roses is their roots. These are mostly few in number, simple and rudimentary in form, and even in more or less danger of developing into above-ground stems or suckers. The *Rosa Canina*, or common briar of our hedge-rows, affords the most striking illustration of these faulty characteristics of Rose roots. In a state of nature the major portion of them—at times, apparently the whole—consist of what the French aptly called *gourmands*—that is, a root or buried stem having a strong resemblance to a small gas or other pipe, with few or no branches. These serve the triple purpose of powerful holdfasts—the propagation of successional briars—and the feeding of the top of the one already in existence. Nature, however, seems to hold the two first as the more important, and hence, probably, the length and strength of those cord-like roots or underground stems.

As to fibrous roots or spongoiles, they are so few that many have wondered how the briar tops have been fed. Possibly, however, wild Roses are satisfied with, and can subsist on, a diet so crude that would starve superior Roses under domestication. It is certain that the more completely we domesticate the Rose, the less we depend on roots as hold-



Julien Potin, Per.

fasts, and the more entirely independent we become of them for propagating purposes. The cultivator is thus enabled to turn his whole attention to the fuller development of the feeding properties and powers of the roots.

Fortunately, root structure and function may be largely modified by artificial means. The first step in either direction is of necessity taken through root pruning. It is impossible to avoid this if we would, nor is it desirable to do so if we could. Root-pruning is involved in root-lifting, or transplantation. If not carried to excess, it is of direct benefit to Roses, inasmuch as it tends to multiply the number and modify the character of their roots. By cutting back the one strong root it is forced to break into many smaller ones. This, at first sight, might seem a doubtful benefit. But it is really of the highest importance. For the many small roots must needs collect more food than the fewer larger ones, inasmuch as they present more open mouths to the food-stores, and also occupy much more feeding-ground. This will readily be admitted when it is borne in mind that roots large or small only feed through their terminal points. True, a *gourmand* may have a far larger open mouth than a fibrous root. But multiply the number of the latter by the area they permeate, and their aggregate power of absorption far exceeds that of the larger root.

The latter, too, only runs through the soil more or less filled with food, whereas the fibrous roots permeate and search out the food from the entire surface and substance of the cultivated earth. Hence, the superlative importance of multiplying the fibrous roots of Roses to the utmost possible extent.

Nor is the full importance of multiplying roots seen in their more increased power of collecting and forwarding food.

It seems almost equally obvious that the character of the food provided is largely modified by the number and size of the collecting and forwarding roots. The smaller, probably, and more minute the channels, the better the sample, as well as the bulkier the aggregate of the food forwarded to the top. Thus root-pruning, which is a necessity of the artificial culture of the Rose, becomes an important aid to its highest cultivation. Experience also shows that it may be freely indulged in, not only without injury, but with the highest benefit.

It is probably impossible to force Rose roots by pruning or otherwise, to become too small or too minutely sub-divided. There are, however, other modes of promoting their minute sub-division besides that of the direct cutting asunder of all the larger ones.

Singular as it may sound, staking or training against trees or walls are some of those methods. Give a Rose artificial support, and the roots that would have run into strong hold-fasts, finding their occupation gone, or superseded, will develop into useful feeders instead. Vigorously and persistently suppress suckers, and the Rose roots will at last take the hint and produce few or none, but furnish fibrous roots in their stead. And then all root-culture should aim at the multiplication of the number and modification of the character or function of roots. One thing more may be aimed at and accomplished, and that is the quickening of root action; and this, perhaps, is the most important of all, for it matters little how well and truly laid the rails may be, or how perfect the rolling stock, unless the steam is kept up there will be little prospect of reaching the end of our journey. And it is very much the same with our Rose roots. They may be perfect in form and sufficiently numerous, but they will send to the front but scant supplies, if drowned in water, paralyzed by cold, starved with hunger or palsied by idleness.

Hence, drainage, manure, warmth, root disturbance, etc., become driving forces to keep the roots going at the highest practicable speed for the longest possible time to the best purpose. Root action works to promote the health, strength and beauty of the Rose. Root rest tends towards their decadence and death. The rest of the root is, in fact, a figment unknown to nature, and fraught with the most mischievous consequences in artificial cultivation. The roots of Roses rest not day or night from their labours unless parched by drought, or bound hard and fast in the iron fetters of frost.

Root culture is, therefore, but another phrase for root activity, motion, fuller, stronger life. It should aim at and succeed in quickening, enlarging and stimulating the collecting, conveyancing, transforming functions of the roots. Our progress, however, in these directions is more like that of the advancing tide towards the beach than a bullet to its mark. We may seem at times to lose, to gain, just as many waves seem to recede rather than advance. For example, root

disturbance or pruning, or the lifting and replanting of Roses, may seem to weaken rather than augment root force. There is, in fact, a temporary loss to ensure a permanent and paramount gain, but, in the end, the result of all these and other cultural operations on the roots of Roses augment root force and enlarge and improve the food supplies of Roses.

The recuperative forces of nature also work with the cultivator to these ends, for no sooner does art lay its hand on the roots of Roses, than nature first resents, and then tries to understand the cause of our interference. In fact, nature, gently and wisely approached, is docile and easily led, especially is approached through her roots. Cut a strong shoot back severely on the top of a Rose; another, and probably a yet stronger, will spring forth defiantly from its base bud. Nature thus resents and defeats our interference. But cut a strong root, and in almost every case it will break into several smaller ones. Cut these, and yet another crop of smaller ones will spring forth. And thus the coarse grown *gourmand* may be reduced to a mass of fibres at the point of the knife.

Root disturbance of any sort produces similar results, though in a lesser degree. As a mere rebound from the disturbance, the roots are stimulated to fresh activity, and such activity probably reaches its greatest force when roots are disturbed in the early autumn. Just at this period the sap is descending with fresh supplies of food and force for the roots. Disturb or break a root at this season, and the recuperative power of the descending sap not only heals it with wonderful rapidity, but creates or develops many more roots for the one disturbed or destroyed. It has been objected to these late roots that they may be destroyed by the severity of the coming winter—their abnormal activity bringing with it an abnormal tenderness; so they fall an easy victim to frost or are rotted by the cold rains, or colder snow water. But the cultivator may prevent all these catastrophes by his care and skill. He is not supposed to be a passive but an active agent in the matter. Water in motion, however cold, will not rot nor ruin Rose roots however tender; and as to frost, a slight mulch will keep the Rose roots of newly planted Roses safe from its grip, even should Zero hold its cold sway over the surface. The very activity of the roots constitutes for them a panoply of safety. For just as a well-balanced circulation of the blood is the best antidote against cold or disease, so, I believe, is the healthy and continuous action

of the roots of Roses their best security against the severities of winter and all other evils.

By healthy root action here is not meant such as would forward most fluid to the tops. The gross roots, or *gourmands*, would prove the best roots for that. No, but such roots as would gather and forward the most and best food. No one who has noticed the wonderful filling of Rose-buds from October to March but must have felt that the root could have rested but little, and slept not at all in what is technically called the dead season. There is in reality no such season either for tops or roots, least of all, for the roots; and experience seems to demonstrate, what theory and analogy have already taught, that the more active the roots of Roses in winter, the better for the Roses in the ensuing summer.

So strong is the faith of some in root disturbance promoting and exciting root activity, that they have proposed lifting their Roses late in October or early in November, and heeling them in through the winter and planting again in their blooming quarters in February or March. Those who have tried this plan on even the smallest scale could not fail to be struck with its wondrous success, so far, at least, as the production of roots was concerned. The semi-prostrate position of the tops also afforded admirable facilities for protecting them with fern fronds, litter or boughs, from severe cold.

With favourable weather at planting time good results have been obtained by this method.

But the risks are too great for its general adoption. Many of the roots made in winter must needs be broken off by the planting in the spring. Our springs, too, are often uncongenial up to May, and it would be necessary, as a rule, to set the heeled-in Roses up in their flowering quarters in March. Fancy their being caught and shaken a few days after planting in the biting teeth of a March wind.

No, all the best advantages of quickened root activity may be obtained by lifting or disturbing the roots in October or November, and immediately replanting them in their flowering quarters.

The fresh roots made would then be preserved, and the plants receive all the benefit of their increased numbers and accelerated activity.

Much of the benefit derived from the common cultural process of surface stirring arises from the same cause; this is

popularly said to let in the air—sweeten the soil and also enrich it—especially when manure or composts are forked in. All this is true; and yet the mere displacement, disturbance, or fracture of a portion of the roots have probably done more good to the Roses than any or all of these. Root disturbance quickens root activity, and the stimulated roots, finding fresh soil and new and richer runs provided for them, ransack these with new and augmented force and avidity, to the manifest advantage of the tops.

Even the last new cry of maiden soils and new sites for Roses owes much of its force and success to the same cause. No doubt there are mines of Rose-strength and beauty in virgin soil and sites. But the frequent planting which this latest and highest phase of Rose culture involves, acts like whips and spurs on the roots, and forces them to rush into, multiply in and thoroughly occupy the maiden earth with abnormal speed and force.

Thus, the more root-culture is examined, the more it seems to resolve itself into a series of root disturbances. In planting we reduce their number, shorten their journeys, alter their positions, modify their functions, concentrate and quicken their power. By aid of stakes and other supports, and our many modes of propagation, we largely dispense with their use as holdfasts, and set aside their propagating functions. Our operations on or in the land, such as draining, trenching, digging, top-dressing, manuring and scarifying all tend to quicken or extend root activity through root disturbance. And, as if all these were not enough, no sooner do the roots of Roses become sluggish, than they are further quickened into renewed activity by such surgical instruments as the knife or the spade; and, on the whole, the results justify these practices, for no one can deny that never were such Roses grown, nor such perfect blooms shown as at the present day. And, further, that the major portion of our most perfect Roses are the direct products of a course of treatment based, as it were, on root disturbances. For are not a major portion of our prize flowers the produce of maiden briars that only a few months before were violently torn from hedge-row or copse, and planted in the garden? And are not most of the other products, the rich harvests of beauty and fragrance, gathered from, at the most, two years old, or two years' planted Roses?

Surely, stronger proof could neither be given nor required that root disturbance is at least compatible with the produc-

tion of the finest Roses. Noting, too, how soon the Roses deteriorate unless reinvigorated by root-culture, which is, to a great extent, synonymous with root disturbance, we are surely justified in crediting the disturbance with a powerfully stimulating effect in developing the vigour of the Rose plant, and the size, form, colour, substance, and fragrance of its blooms.

ROSES

I wish I had a garden
Where I might wander free;
A little wind-walled garden
Running by the sea;
With wild grass in it,
And tame grass too;—
And roses wearing ear-rings
Of white-flamed dew;
And one with a pendant
Of a great, bronze bee
Hanging at her fair throat
In gorgeous minstrelsy.

Not anything so lovely
As a rose can ever die.
Their petals all are gathered
By winds that wander by,
And handed to the master-winds
That troop each lawn;
And they are melted in a pot
To make red dawn.
And some, of paler coloring,
Are carried to the sky;
And often, on a cloudy moon,
I see them drifting by.

I know wherever Heaven is
That roses must be there.
And I have hopes that rose-vines
Will climb the golden stair.
But here on earth I find the gates
Of Paradise ajar;
Nor do I yearn for lovelier things
Beyond the moon and star.
A rose of red is Beauty's heart,
A rose of white her soul.
Distil them, Lord, within my cup
And make my spirit whole.

—Wilson MacDonald

(From A Flagon of Beauty.)

Rose Rust

By Prof. J. E. Howitt, Ontario Agricultural College, Guelph

Rose Rust is not a serious disease in Ontario. It does, however, frequently occur in rose gardens in many parts of the Province and often causes considerable alarm to those who observe it on their bushes for the first time. It appears to have become more prevalent during the past few years. Rose growers therefore should make themselves acquainted with the symptoms by which they can recognize rust, and with the methods available for its control.

The most common rose rust in Ontario is found throughout the world. Hybrid perpetuals and other derivatives of *Rosa canina* and *Rosa gallica* are most susceptible to it. Climbing roses, especially those of the Crimson Rambler type, appear to be resistant to rust.

Rose rust is a fungus disease. The most common rose rust in Ontario is caused by the fungus *Phragmidium disciflorum*. Other species of *Phragmidium* are also sometimes seen on roses in Ontario, but are seldom serious.

The symptoms of the common rose rust are very pronounced and distinctive. They can hardly be confused with those of any other disease of the rose. Comparatively early in the season small powdery, orange-yellow spots appear on the lower surface of the leaves. Later in the summer these spots become brownish-red in color. If the rust is very severe the leaves fall so that early defoliation of the bushes occurs.

The common rust fungus winters over chiefly on the old leaves. Thorough destruction of the fallen leaves in the autumn is, therefore, very necessary in the control of this rust. Bushes subject to rust should be sprayed in the early spring, while they are still dormant, with commercial lime sulphur of the strength of one part by measure to nine of water, or with a solution of copper sulphate, two ounces in three gallons of water. After the foliage appears, weekly applications of dusting sulphur should be given until the roses begin to come into bloom.

There is another rose rust sometimes met with in Ontario which affects the stems, especially the young shoots. Severe spring-pruning in addition to the spraying and dusting described above will do much to control this rust.

Rose Growing in Saskatchewan

By Dr. C. F. Patterson, Saskatoon, Sask.

The much-used saying "Where there is a will there is a way" was never truer than it has been in the growing of Roses in Saskatchewan. In a Province where the winter temperature occasionally drop to a point 40° below Zero F., and where hot, withering winds frequently blow for hours at a time, cultivated Roses are not in their element and often fail in their mission of ornamentation. In the hands of one really desirous of growing Roses and given proper care, however, Rose plants may be made to yield in the Saskatchewan climate beautiful blooms that will compare favourably with flowers of the same varieties produced in climates of less severity.

Success in growing Roses in this part of the Dominion hinges to a great extent on the proper selection of varieties. Some varieties seem to be able to adapt themselves to this climate much better than do others, and the grower who is fortunate enough to make a good selection of varieties will succeed, provided proper cultural treatment be given. The selection of certain other generally approved varieties, on the other hand, will result only in disappointment even when every attention is given to cultural details.

The Roses that appear to be best adapted to conditions obtaining in this part of the Canadian West belong to one of two classes that represent the extremes with respect to hardiness. On the one hand is the hardiest group made up of Austrian Briars, Rugosa Hybrids, varieties of *R. Spinosissima* and a hybrid with *R. Blanda* as one parent. On the other hand is a tender group made up of Teas, Hybrid Teas and Pernetianas. The former group appeals to the average grower and is recommended where the minimum amount of effort is to be expended. The latter group is recommended where Roses of the highest quality and for cutting are desired and where the grower is prepared to expend more effort than that required by the hardiest forms.

While many varieties of Roses have proved themselves to be adapted to all conditions, a few of the most interesting are as follows: hardy, Harison's Yellow, Persian Yellow, Betty Bland, Hansa, F. J. Grootendorst, Pink Grootendorst, Conrad F. Meyer and Agnes; tender, Briarcliff, Captain F. S. Harvey Cant, Etoile de Hollande, Feu Joseph Looy-

mans, F. W. Dunlop, General Superior Arnold Janssen, Hortulanus Budde, Julia Countess of Dartrey, Lady Hillingdon, Laurent Carle, Madame Butterfly, Madame Leon Pain, Mrs. Aaron Ward, Mrs. Beckwith, Lilly Verschuren, Sir David Davis, Souvenir de Claudius Pernet, Victory, Ville de Paris and Willowmere. If I were required to limit my list of hardy Roses for this climate to one, I think that I should grow Betty Bland. This is an excellent hardy Rose, probably not very well known, that is much at home in prairie gardens. The plant is very hardy and is a profuse bloomer. The flowers are large and double and are deep, shell pink in colour. During the flowering season, the plants are a mass of blooms. The other hardy varieties mentioned do well and are good garden Roses. It is difficult to point to one Rose in the tender group and say that it is the best Rose for the prairies. Our list of recommended tender Roses contains the names of one hundred varieties, and all are the best Roses. Every one is of good quality and has demonstrated its ability to do well here. It is true that some of the select group are superior to others of the same group with respect to some quality, but, when the good points and the bad points are all weighed together, there is probably little difference between any two varieties.

Wintering is one of the problems of the grower of tender Roses on the prairie. The light covering of soil and litter recommended for certain parts of Canada would offer the plants little protection here. The popular belief that the killing of unprotected plants is caused by the alternate freezing and thawing that occurs early in the spring, and that a light covering of litter or of litter and soil will prevent it, finds no support on the western plains. In the greater part of Saskatchewan, winter usually sets in about November 1st, and temperature down to 20° below Zero F. are recorded before Christmas. The total winter's snowfall is usually light and most of this comes after New Years. As a result, the frost penetrates the soil rapidly, frequently reaching a depth of eight feet, and severe freezing at the ground surface occurs. Plants of tender Roses with the ordinary covering of soil and litter are frozen to death before Christmas.

The most successful method of wintering tender Roses in this climate, and the method recommended, is that of taking the plants up in the fall and wintering them in a pit. The pit is located on a well-drained area and in a porous, sandy soil if possible. The plants are covered to a depth of

four feet at least, and an excavation four to five feet in depth and of the required area is made. Just before winter sets in, the plants are dug up with as much of their root systems as possible, and are placed in the pit. The branches are all cut back severely at digging time. The plants are placed upright in the bottom of the pit and are packed well either with moist sand or with moist soil. The plants may be set close together, but there must be sufficient sand or soil to form an envelope around each plant. Sand or soil is then added until the plants are just covered. After the surface of the ground has frozen to remain frozen, three or four inches more of soil is added. A few days later, when the weather is much colder, the hole is filled with straw or other dry litter and this is well firmed. Litter is then banked over the pit to the height of a foot or two, and a thin layer of soil placed over this to serve as anchorage. Toward the end of April, the litter is removed, and, a few days later after the frost has escaped from the soil or sand in the bottom of the pit, the plants are released and planted. Either sand or soil may be used in filling the pit, but where these are employed delay in removing the plants in the spring is experienced owing to the penetration of the frost to great depths.

While not as satisfactory as an outdoor pit in the wintering of Roses, a suitable indoor storage is used by some as a substitute. To keep the plants fully dormant, one requires temperatures near the freezing point and these must be maintained until April at least. The plants are treated in the way mentioned for pitting, are placed upright on the floor of the storage and are covered with sand. This sand is kept reasonably moist throughout the storage season.

The wintering of the Roses mentioned in the hardy group presents no difficulties. The plants are left undisturbed, and seldom is a protective covering given. Protection from wind is desirable, and growers are advised to select a well-sheltered location for their Rose plantations. Plants of Betty Bland, Harison's Yellow and Persian Yellow seldom show any killing back, while those of F. J. Grootendorst, Pink Grootendorst and Conrad F. Meyer frequently experience considerable killing back. Agnes and Hansa are hardier than the other Rugosa Hybrids, but suffer slightly at times from winter-killing. The killing back that frequently occurs on the less hardy Rugosa Hybrids mentioned appears to be advantageous, in that it keeps the plants busy without lessening the number of flowers produced.

Up to the present, disease has not been a serious menace to Rose growing in Saskatchewan. The only diseases that have done appreciable harm are crown-gall and Black-spot. Crown-gall has been observed on plants only of tender varieties, though it may be present on plants of the hardier forms. Plants with *R. Multiflora* as stocks have suffered much more from this disease than have those with *R. Canina* as stocks. Austrian Briar varieties, among the hardy Roses, are very susceptible to Black-spot, and several heavily-infected plants of Persian Yellow, Harison's Yellow and Austrian Yellow were seen during the summer and autumn of 1931. This disease has been observed on tender varieties also. It yields readily to control measures in this climate and it is doubtful that it will ever become serious in this section of the great plains area.

Insect pests have been less considerate than disease. Three pests have proved to be a source of annoyance to the Rose grower here. These are the Rose Curculio, Red Spider and Aphids. The Rose Curculio is native to the prairies, and for a period of three weeks to a month it is very destructive to Rose buds. Fortunately, its depredations are about over when the tender varieties begin to bloom. The Red Spider is no respecter of varieties, and some of the Rugosa Hybrids appear to suffer more than do others. Aphids are the least troublesome of the three pests thus far, though they are frequently found present on the young shoots of tender varieties.

For Rose growing in this Province there is doubtless a great future. Many varieties can be grown successfully at present, and, with the new varieties that are being introduced, this will be lengthened considerably as the years go by. Many of our people are passionately fond of Roses, and, as the information that Roses can be grown successfully here reaches those interested, many new plantations will appear. The time is probably not far distant when the Rose will occupy an important place in every prairie garden.

Roses in Northern Alberta

By H. W. Stiles, Edmonton.

A few short years ago, it was quite a novelty to see a Rose tree blooming outdoors in this western country, probably because we had persuaded ourselves that the climate was too severe to carry them through the winter, but the enthusiasm of any Rose fan who has grown them in other places cannot easily be smothered, and, in this case, it has been fully demonstrated that we can not only grow Roses, but we can winter them successfully, and produce blooms that would not disgrace any show bench.

Naturally, there are some varieties which do not do well here, and, fortunately, we have among our growers those who are sufficiently experienced to know many of these, and advise accordingly, and other varieties are being tried out from time to time.

The writer has established some 50 varieties that do remarkably well here, but we cannot always be sure of our colours, some of them occasionally showing quite different shades in different gardens. Yet, withal, they are very beautiful and well worth all the trouble.

Among the whites I find Frau Karl Druschki very irregular,—some seasons all wood and no bloom, while the following season it will give quite a number of nice blooms and make very little wood. Marcia Stanhope I find a much more reliable white, but Ethel Forrester is a dismal failure.

The yellows do very well here, and The Reverend Page Roberts, Betty Hulton and Madame Christine Martel have done finely this season. Souvenir de Claudius Pernet has been one of my best for two years; it has been literally covered with bloom from early June until September, and Golden Emblem has also done well.

Last year, I tried a Paul's Scarlet Climber, and by carefully layering it and covering with about fifteen inches of soil I brought it safely through the winter, every piece of wood being perfectly green to the extreme tips, and it bloomed splendidly this season and has produced six fine, robust shoots over five feet in length which I hope to winter.

Hugh and George Dickson, King George, Hadley, Louis Van Houtte and a host of others are doing well here, among the darker shades, and Betty Uprichard, Desmond Johnston,

Margaret McGredy, Princess Victoria, Emma Wright and others have given me great pleasure during the 1931 season.

I find that the best winter protection is to earth up each plant about ten inches, and to avoid the use of any kind of litter that may hold moisture and so become mouldy or start fermentation, and I brought one hundred per cent. of my plants through last winter.

For this location I find one must use discretion in pruning, and prune according to the habit of the variety, no hard and fast rule being applicable except that newly-planted stock must necessarily be pruned severely.

Very little trouble occurs here from disease or insect pests, providing the trees receive proper cultivation and other necessary attention to keep them growing properly, while I find a good mulching with well-decayed barnyard manure in the spring to be the best method of applying food, with a weak solution of liquid sheep manure occasionally after some growth has been made, or just as the buds begin to form.

It is a great pleasure for me to know that there are now thousands of Rose trees being wintered in this locality, and an occasional lecture under the auspices of our Horticultural Society and a few timely articles in the press on this subject are bringing converts every season.

Edmonton, Alberta, has created records in some lines of vegetable and flower production, and I venture to hope that the Rose fans will soon make themselves known by the quality of their productions.

We have suffered a great loss in the sudden death of Mr. W. V. Newson, who was not only one of our most enthusiastic Rose growers, but also a kindly and courteous gentleman who loved to encourage the beginners, and he will be sadly missed.

Highlights of the 1931 Rose Season

In the 1931 Edition we published under a heading similar to the above a record of the experiences, with resultant conclusions, of a number of experienced Rosarians during the extremely dry summer of 1930. This method of obtaining first-hand and authoritative information with respect to the problems which confront Rose growers appeared to have sufficient merit to warrant its continuance, and, in accordance therewith, we despatched another group of enquiries, from the replies to which we have prepared the following notes. The members who replied to our enquiry were the following: Mr. A. F. Cluff, Seaforth, Ontario; Miss A. Adelaide Gibbs, Parkhill, Ontario; Mr. Paul B. Sanders, Guelph, Ontario; Mr. H. W. Strudley, Stratford, Ontario; Mr. Hugh Templin, Fergus, Ontario; Miss E. M. Harcourt, Mrs. A. Alan Gow, and Major A. E. Nash, Toronto; Professor F. E. Buck, Vancouver, and the late Mr. W. V. Newson, of Edmonton.

Last year the replies to our enquiries, while generally optimistic in tone, were punctuated by expressions of regret and disappointment at the indifferent behaviour of many Roses under the unfavourable weather conditions which prevailed in 1930. This year, however, all voices are blended harmoniously in a "Song of Thanksgiving," with only one discordant note in the symphony coming from Mr. Templin, who complains of an outbreak of Black-spot in late August. Several other correspondents refer to slight evidence of Black-spot in the autumn, but refuse to admit that it was sufficiently widespread to cause any apprehensions regarding serious damage to the plants. Mr. Cluff rejoices over the entire absence of Black-spot in his garden and attributes this gratifying fact to the persistent use of Bordeaux Mixture as a spray, commencing in the early spring. Mr. Strudley reports that the disease made its appearance on some new, bench-grown Roses. Miss Harcourt, who is coldly critical of varieties which reveal any marked degree of susceptibility to Black-spot, is ecstatically happy over the non-appearance of the plague in her garden in 1931, recalling with satisfaction that even an old offender like the Duchess of Wellington finished the season fully clothed! While we are rubbing our hands gleefully over our deliverance from Black-spot, Mr. Sanders reminds us that never before in his experience has he observed as much Mildew. Mrs. Gow also introduces

into her otherwise glowing report a note of sadness over the prevalence of Mildew, and in one section of the Editor's garden this disease was much in evidence in late season. The portion of the garden in which there was no Mildew is located south of the house, exposed to the sun's rays throughout the day, and protected from north winds. In the partially shaded section, which is somewhat exposed to north and east winds, the disease thrived and refused to yield to attempts at control. All our correspondents agree that the growth was more luxuriant than usual, some even confessing that they have not seen hitherto such tremendous vigor. Major Nash points with pride to the remarkable growth made by his plants, but adds that this did not seem to affect the bloom to the extent expected. This situation causes us to wonder if he has not too great a proportion of nitrogen in the Rose diet.

What deductions may we safely make from the foregoing? Can we not establish a relationship between such phenomena as extreme vigor and comparative absence of Black-spot? It is assumed that liberal applications of manure in various forms were given and that the abundance of natural moisture throughout the early part of the growing season made available for use this plant-food, the results being reflected in the strength of stalk, quality and quantity of bloom and luxuriance of foliage. In short, the plants, due to the munificence of Nature—and of the gardener—were maintained in a healthy, growing state, and this condition would appear to have increased their resistance to infection. We do not mean to imply that one should neglect preventive measures such as spraying with fungicides. No means of control should be overlooked as the elimination of such a menace to Rose prosperity as Black-spot is a sufficiently important matter to justify almost any expenditure of time and effort. It seems safe, however, to conclude that liberal fertilization, assiduous cultivation, an ample moisture supply, and persistent spraying will accomplish our desire.

With respect to Mildew, we have not much comfort to offer. It appears to be the case that Mildew is most prominent in years when the growth is abnormally strong. We have never regarded this disease very seriously, because, aside from the temporary disfigurement to the foliage, we are not aware that it causes serious injury. Mr. Sanders, to whom we look for guidance in moments of weakness and perplexity, is somewhat distressed at the entire inefficacy of the remedies

usually recommended for Mildew, viz. Massey Dust, lime-sulphur, etc.

Miss Gibbs reports a continuance of the excellent results obtained in 1930 with bench-grown plants. This experience is shared by Mr. Strudley.

None of our correspondents report serious trouble with insects, which fact would seem to indicate that proper methods of control were adopted in good time to prevent the usual depredations of these pests. In the Editor's garden there were fewer aphids than is usually the case, periodic sprayings with Aphistrogen keeping them well under control.

One noteworthy feature of a very satisfying Rose season was the unusually long period of bloom. In the Editor's garden the first Hybrid Tea bloom was cut on the 4th of June, and the last on the 6th of December. Several of our friends comment favourably on the abundance and quality of the autumn bloom in their respective gardens. Reference is made, also, particularly by those keen Rosarians, Messrs. Sanders and Templin, to the satisfactory manner in which the wood ripened in the autumn of 1931, with the consequent improvement in the prospects of survival during the present winter. As these lines are being penned we are gravely concerned over the apparent indecision of our Roses as to whether they should remain in a state of dormancy or not. The mild weather conditions which have prevailed in the Toronto district appear to have had the effect of coaxing sap into the canes. The absence of a protective covering of snow is another fact which tends to destroy that calm confidence with which we usually await the advent of spring. All we have left is hope!

Mr. Sanders informs us that the volume of correspondence reaching his desk from widely scattered points indicates a notable increase in Rose interest. He states further that the questions asked give definite indication of a better-informed Rose public than in previous years. These facts are both interesting and encouraging, and they afford possibilities for the extension of the influence of The Rose Society of Ontario.

While practically all the older varieties appear to have given a good account of themselves in 1931, many of the more recent introductions are singled out because of convincing demonstrations of their respective capabilities. Among the latter are the following: Edith Nellie Perkins, Caledonia, Buttercup, Duchess of Atholl, Duchess of Montrose, E. J. Ludding, Grenadier, McGredy's Scarlet, Miss Rowena Thom,

Mme. Nicolas Aussel, Rachel, Rosella Sweet, Lady Forteviot, Julien Potin, Polly, May Wettern, E. G. Hill, Canary, Mrs. A. R. Barraclough, Margaret Anne Baxter, Joanna Hill, Joan Cant, Souvenir de Pierre Ketten, Mme. Henri Quenille, Gaiety, President Jac Smits, and James Gibson. Mr. Sanders sings the praises of Edith Nellie Perkins in double forte, and, while we do not invariably agree with him in this matter of varieties, we certainly share his enthusiasm for this Rose. Julien Potin and Caledonia have arrested the attention of several of our correspondents, including those careful observers, Miss Harcourt, Mr. Templin and the late Mr. Newson, and again we must agree. But we could go on forever! Let us be thankful for the memory of such a Rose season as that of 1931, and let us hope that it may be repeated in 1932.

Brunettes

By The Editor

Whether or not the oft-repeated dictum that "Gentlemen Prefer Blondes" may be justly charged with the responsibility for the almost entire absence in current Rose literature of discussions of red varieties we cannot say, but the fact remains that in recent years there have been few champions of the red Rose. Perhaps the writers on Rose topics have been caught in the maelstrom of enthusiasm for the newer yellow shades, and common honesty impels us to admit the seductive charm of these fashionable, pampered blondes. They are, however, capricious, temperamental and difficult to manage. Moreover, they commence to fade early in life, and in many cases they may be criticized because of poor form,—even as you and I! They intrigue our imagination, and the problems which their successful culture presents constitute a challenge to our resourcefulness, and so we put up with their vagaries.

Red is an obvious and strong colour which does not lend itself readily to the nice distinctions of language of which artistic and literary folk are so fond, and we are not sure that a confession of partiality for that shade is not interpreted in certain quarters as a betrayal of plebeian tastes. We trust that no reader will accuse us of having made a libellous and defamatory attack on the pastel shades. Far be it from us to start a controversy of that character, especially under the title which we have chosen for this discussion. We hasten

to explain that we have been endeavoring merely to find a reasonable explanation for the apparent callous indifference to the virtues of the red Rose, which has served for centuries to enrich our literature and which has been utilized as a means of expression from the beginning of time by the artist, the musician, the poet and the lover.

The decline in popularity of the red Hybrid Teas possibly may be traced to the fact that, until the last few years, very few of them were without serious faults. We do not mean to imply that even the best of the recent introductions are beyond criticism, but we do mean that definite progress toward perfection has been made. For instance, we do not know of any of the older red varieties which are able to maintain their richness of colour; they either fade to an ugly rose-pink or turn purple—whether or not from rage we would not hazard a guess, but cannot help recalling that they are brunettes!

We are fortunate now in having a number of splendid sorts, the colour of which is fairly constant. We have in mind such sterling varieties as *Etoile de Hollande*, *Miss C. E. Van Rossem*, *Lady Helen Maglona*, *Hawlmark Crimson*, *Dr. A. I. Petyt*, *President Jac Smits*, *Bedford Crimson* and *E. G. Hill*. A number of others which fade in dry, warm weather retain their full brilliance when favored by rain or cloudy skies. At this juncture we are reminded that the complexions of the blondes are utterly ruined by weather conditions which happily serve to enhance the richness of colouring of the reds, as well as to accentuate the velvety texture of their petals.

During the last few years, the matter of perfume has been receiving the attention of Rose critics, and its absence in many of the recent introductions has been deplored. In this connection, we have listened to the dogmatic assertion that no Rose, particularly a red Rose, without scent is worth growing. Needless to say, we are not in agreement with this statement, but our particular quarrel is with the attempt to draw a distinction between red and other Roses. Surely, absence of scent is equally as pardonable in the deep shades as in others, and the reason for the state of mind responsible for the foregoing declaration apparently is the fact that a greater proportion of the brunettes possess the much-desired attribute than is the case with the lighter shades, and consequently it is expected in every case. In other words, a virtue so widely held among the reds has become so common-

place that its absence is criticized, while condoned in other Roses which, generally speaking, are not so richly endowed.

In the above discussion we are not deprecating the importance of fragrance, but are merely directing attention to the factitious sophistry of fastidious critics.

Before bringing to a conclusion our presentation of the just claims of the red Rose to wider appreciation, we should like to refer to the important part which it plays in the Autumn. While the blue-eyed blondes, to be sure, produce some bloom in October, yet it is upon the reds that we must chiefly rely for continuing the Rose season until the advent of the first killing frost. For this purpose we should like to recommend, in addition to those previously enumerated, the variety Capt. Fane Bald. Sensation, also, while unable to withstand the effect of the sun's rays in midsummer, is magnificent in Autumn, as are also the newer varieties, Daily Mail Scented and James Gibson.

We are aware that the foregoing observations do not add to the store of information of most seasoned Rose growers, but it frequently happens that the assembling of a few salient facts attracts attention to a situation which needs to be rectified. It is our hope, therefore, that our effort may be instrumental in correcting the present apathetic attitude toward the red Rose.

Hardy Roses for Shrubberies and Hedges

By L. A. Dunington=Grubb

"With live, scarlet fire,
Enfolding seed of Junes yet to be,
Rose-berries melt the snow, and burn above
The thorny briar,
Like beauty with its deathless seed of love."

"Rose-Berries," by Mary Webb.

In this brief article I do not propose to cover the whole ground of this interesting phase of rose culture but rather to touch lightly on one or two special favourites and to urge their wider use and greater appreciation.

Broadly speaking there appears to be an ever-increasing tendency in Canada to take a very limited view of rose growing both as to varieties and types to be selected and the use to which they can be put. For instance, this craze for growing the yellow and copper shades in hybrid teas to, almost, the exclusion of the hardy and infinitely more satis-

factory clear pinks and reds and the hybrid perpetuals, has resulted in many Eastern Canadian Nurseries abandoning the raising of hybrid teas, and therefore they are compelled to import in order to meet the demand for varieties that cannot be wintered astisfactorily in commercial quantities.

Even in England, where the winter climate is mild, the copper shades are considered delicate and uncertain, and take but a small place in the groups of approved bedding roses, and many of the old and hardy favourites are still to be found in even a comparatively short list of best varieties.

The sturdier H.T's. and all the H.P's., ramblers, polyanthas and species can be raised and wintered in Eastern Canada with complete success, but until the public has learned the desirability of growing varieties suited to our climate the nurseryman must give up growing that for which there is but little demand to the great detriment of our gardens and the local industry.

I know of no better way of obtaining continuous colour in the shrubbery borders than by the introduction of polyantha and rugosa roses together with the various rose species.

I place the polyanthas first because certain of these will flower without intermission from June until the severe frosts. This past season I picked the last spray from my Edith Cavells on December 15th, blossoms and tiny spherical red fruits growing on the same branch.

There was a time when I considered Jessie the best of the polyanthas for lasting qualities and each year in early October had on my table a bowl of crimson Jessie, white Snowberry, *Symphoricarpos racemosus*, and the odd spray *Heuchera sanguinea* as a farewell to summer. But Edith Cavell is a hundred per cent better in every way. Jessie fades a bluish white and late in the season frequently mildews and is quite finished by mid October, whereas Edith Cavell is always clear and robust. The flowers die a blackish crimson which is quite ornamental, and they are unaffected by a light frost. This latter variety bloomed in my shrubbery last year for seven months without a break and were conspicuous from a distance. Edith Cavell also makes a charming dwarf hedge.

Another rose in this class which is well worth growing is the polyantha *Eblouissant*, though this is not so strong growing nor such a continuous bloomer as the foregoing. The individual flowers are larger however, and their deep

crimson petals are touched with blackish crimson at the edges. A most decorative little plant, quite hardy, and thrives with shrubs.

One cannot leave the polyanthas without mentioning Ellen Poulsen, a more recent introduction and quite one of the best, being a robust, free flowering variety with masses of small soft rose blooms. They will last quite a week in water when cut for house decoration.

Among the hybrid rugosas the crimson F. J. Grootendorst together with its pink form, are quite outstanding for shrubbery plantations, being less straggling than those conforming more to type, also they inherit from their polyantha parent the habit of continuous blooming. The fringed edges of the petals give the flowers an unusual appearance, somewhat resembling carnations. They are also good as a dwarf hedge material.

An old favourite seldom seen these days is *Rosa multiflora* with its masses of small white, single flowers followed by innumerable, minute red fruits in the Fall. It is excellent grown as a hedge on a framework of wood or can be used for clothing banks or for planting in rock gardens where it can hang over large stones.

Another much neglected hardy rose of the older group is the Scotch briar, *Rosa spinosissima*, with its finely divided foliage, thorny stems and dainty, pale pink, double flowers. But if one once gets started on the briars it is difficult to know where to stop. No garden is complete without a bush of *Harisonii*, the hardiest of the Austrians with masses of clear yellow flowers. The Austrian Copper is without rival for beauty but it does not hold its own quite so well in a shrubbery. It is apt to get choked out, but it is good enough and cheap enough to be replaced from time to time.

Rosa Hugonis, the now popular wild rose from Central China, is of the briar type and is the earliest of all to bloom, and is most attractive either as a lawn specimen or in a prominent place in the shrubbery or as a hedge. The beauty of its graceful arching branches, weighed down by masses of soft yellow, single flowers, is further enhanced by its highly ornamental, fine, acacia-like foliage. This rose is extremely hardy and should find a place in every garden.

To be grown as much for its foliage as for its flowers, is the red-leaved *Rosa rubrifolia*. Attractive throughout the season it is doubly so when in flower and fruit. It is a

splendid subject for a mixed shrubbery in any position where foliage contrasts are a consideration.

A much neglected and rarely asked for rose is the original Wichuraiana, parent of our climbing hybrids such as Dorothy Perkins. The type has dark, metallic green foliage and numerous small white flowers. I would like to see this species reinstated in our gardens as there is no other rose to quite take its place. It is first-rate for covering banks or for shrubberies on steeply sloping ground.

Lack of space prohibits me from proceeding further, but maybe the above notes will help to arouse or revive interest in a truly absorbing branch of rose culture.

Rose Midge

By Col. Hugh A. Rose, Welland, Ontario

EDITOR'S NOTE:—In the course of the past year, we have received several enquiries regarding methods of controlling the Rose Midge, and the depredations of this pest appear to have been sufficiently serious and widespread to warrant attention in the Year Book. In accordance therewith we have asked our good friend, Colonel Rose, whose cultural skill is of the highest order, to place on record his experience in dealing with this destroyer.

I am very glad to comply with the request of our President and Editor of the Rose Annual to write of the Rose Midge.

I trust that few of our readers will ever have to combat this devastating pest, but to those who may be so unfortunate I am passing on my own experience and the manner in which I found I could control it.

In order that you may know when the Rose Midge has arrived in your garden, I would refer you to the photograph opposite page 59 of the 1931 Rose Annual, being Fig. 9, "Rose Shoots Destroyed by Rose Midge." This photograph is a very realistic portrayal of the stems of three bud-bearing shoots in which the buds have been destroyed by the Rose Midge.

My first attack came in the spring of 1930, and a serious inroad was made before I knew what was causing the damage. The maggot attacks the young buds as soon as they are formed, and chews the small stem at the base of the tiny bud, or the bud itself, causing the latter to wither and die or turn over on its side. It is difficult to see the maggot without the aid of a magnifying glass.



Mrs. Samuel McGredy, H.P.

During the 1930 season, I tried many remedies and finally found one which in my garden answered the purpose. I used a dry dusting mixture and a liquid spray, going over all bushes every second day, and alternating the dry and wet mixtures.

The following ingredients were used to make three gallons of the liquid spray: 6 teaspoons Black Leaf 40, 5 ozs. Arsenate of Lead, 1 lb. laundry soap, or whale oil soap the size of a hen's egg, and three gallons of water. The dry dusting mixture was composed of seven parts of dusting sulphur and three parts of arsenate of lead.

One should give three applications of each of the above, taking care that the bushes are thoroughly dusted or sprayed. If the Midge again makes its appearance, repeat the applications.

I do not know whether it is the spray or the dry dust, or whether it is the combination of both that is efficacious, but I do know that I obtained the desired result. I have been told that neither of these remedies should kill the Rose Midge, but my experience was otherwise.

In the Spring of 1931, I purchased a ton of tobacco dust, with which I covered my Rose beds. It may be that I did not apply the tobacco dust early enough in the spring, but despite this precaution, the enemy again made its appearance, and the only way I could control the attack was by adopting the methods above set forth.

Roses of the Future

By P. H. Mitchell

What of the Roses of the future? Will there be improvements in colour, fragrance, form, growth, resistance to disease, hardiness, floriferousness? Will there be new hybrids based on crosses with different Rose species? Will there always be a progressive improvement in Roses? This year is the Year of Grace 1932; will the progress of the last 32 years over the previous 32 years be duplicated in the next 32 years? If there will be such progress what will the Roses be like? In 1964 how will our present Roses compare with the newer Roses to come?

A time unit of 32 years is rather unwieldy but it is a period of time which makes an excellent milestone in the progress of the Rose. The comparison of the periods of

1869 to 1900 and 1901 to 1932 will give us an excellent basis for prophesying as to the future.

The most authoritative lists of Roses based on relative merits are those published each year in the Rose Annual of the National Rose Society, which was founded in 1876. The National Rose Society conducts an analysis each year through the voting of the leading amateur growers and nurserymen in Great Britain. The respective votes are finally combined into lists of 28 Exhibition Roses, 30 Roses for General Cultivation, also lists for Standards, Climbers, Polyanthas, and special lists of the Newer Roses. From these lists we can obtain a good indication of progress.

In the National Rose Society's latest list of 28 Exhibition Roses we find that the oldest Rose is Frau Karl Druschki which was introduced in 1900; the other 27 were introduced in the last 32 years and nearly all since 1914. In the lists of 30 Roses for General Garden Cultivation we find only one Rose of introduction previous to 1901 and that is Caroline Testout, which was introduced in 1890 and ranks 28th in the list. In a list of 22 Roses for Standards three were introduced in the first period, Caroline Testout in 1890, Frau Karl Druschki in 1900 and Mme. Abel Chatenay in 1895. In the Climbers Alberic Barbier was introduced in 1900 and amongst the Polyanthas the earliest Rose listed was Mrs. W. H. Cutbush introduced in 1906.

We then find that of the Roses of the nineteenth century only Frau Karl Druschki, Caroline Testout, Mme. Abel Chatenay and Alberic Barbier continue to hold the high honours. Does this indicate that in 1964 only four of our present day Roses will be found in these lists?

The latter part of the nineteenth century was the period of the Wars of the Roses in England. Dean Hole was the Field Marshal and of all the Gladiators in the ring he was the most responsible in the creation of the National Rose Society and the encouragement of Rose Growing and Rose improvements. In this period Hybrid Perpetuals and Tea Roses were the great Roses of the day. True, La France, the first of the Hybrid Teas, was introduced in 1867 and many Hybrid Teas followed it but they were not the great favourites of the Rosarians. The century culminated in the production of Frau Karl Druschki, the Queen of the Hybrid Perpetuals and possibly for all time to come the most striking of this class. The Teas had reached their limits and their decline had begun

with the introduction of the Hybrid Teas which had the best points of the Teas and many additional good features.

New varieties are obtained from hybridizing and from sports. A Hybrid is a cross between a seed-bearing parent and a pollen-bearing parent, and the possibilities are boundless. Sports show on a growing plant in that some feature, the bloom, or leaves, or growth, is different to the normal plant; sports are generally the result of environment and the characteristics of the sport tend to the recession of some normal characteristics. Previously to 1900 hybridizing had its results based on first generation crosses. If a good Rose were obtained it was kept and the indifferent Roses were either destroyed or were never used for further hybridizing. It was only at the beginning of this twentieth century that Science had its first effect on hybridizing in the awakening knowledge of Mendel's law.

Mendel was a painstaking, studious monk, who, apparently with patience and time on his hands, investigated the effects throughout several generations of crosses of the humble garden pea and other garden plants, and indicated that the characteristics of the dominant and recessive elements in each of the parents in the crosses were transmitted to the offspring according to certain rules. In any event it proved that a poor parent might have attractive offspring and it taught the Rose hybridizer that virtues might be found in future generations which were not to be seen at the first crossing.

It is to faith in future generations that we owe the Pernetiana Class of Roses. Pernet-Ducher, a grower in Lyons, France, had produced many excellent Hybrid Teas; three of these—Melanie Soupert, Mme. Ravary, Mrs. Aaron Ward for example, showing his liking for the yellows. Pernet-Ducher in his quest for new parents eventually made a cross between Persian Yellow, a species Rose (some say it is a Hybrid with fixed characteristics) and a Hybrid Tea, Antoine Ducher. This crossing was satisfying in that the cross was made, but the resultant Rose was not up to Pernet-Ducher's high standards. With this new rose as a parent many crosses were made and a new Rose Colour burst on the world, a true golden yellow, distinctly different from the paler yellows of the day. This new race of Roses was later called Pernetiana in honour of the raiser.

So far in this century we have had the introduction of the Pernetianas, the improvement in the Hybrid Teas and

the development of the Polyanthas. There have been some interesting crosses with Rugosa but nothing really coming up to our hopes. Climbers have advanced in that there are several good climbing varieties of favourite Roses and there are some good hybrids of Multiflora and Wichuraiana. Are we satisfied with the present day Roses? We should be. There is a fascination in trying to make the most of our present blessings.

What more do we want in our Roses? Colour, form, fragrance, growth, floriferousness, freedom from disease, hardiness? We want them all in our Roses. Has any one Rose all these to perfection? The answer is "No!" In all our best Roses there is just something lacking which keeps them from being perfect. And furthermore, our individual tastes differ.

Colour, form and fragrance are the three charms of a Rose—and just a few Roses have these three to perfection. Some will question whether Colour is the dominating feature of a Rose or whether it should be Form. A new Rose generally rides to fame, however fleeting the fame may be, on the strength of its colour. Great are the hopes when a new colour combination arrives and the raiser is probably most enthusiastic of all. The raiser of Shot Silk described this favourite as "bright cherry-cerise over-shot with salmon orange, flushed rose and a deeply veined clear buttercup base," and indeed all these colours can be seen although its briefer description is "orange rose, shaded yellow." There are myriads of Rose colours. How many shades of red? A painter with an extensive palette can contrive a vast play of variations on the simple red but he cannot outdo the Rose. How many yellows? Probably not so many, but superimpose the yellows on pinks, reds and whites and the shades and tints are uncountable.

There is fashion in form. Fashions of Paris however do not detract from the stateliness of the fashions of Elizabeth or the richness of Florentine Robes. So with Roses, as we can find as much delight in the inviting massiveness of Paul Neyron, in the simplicity of Irish Elegance, in the tangled negligee of K. of K., as in the symmetry of Los Angeles. A high-pointed bud with outer petals unfolding outward to make a cup-shaped bloom, retaining symmetry to the last, is the present form *par excellence*. It is the Tea Rose parentage that has produced the high-pointed bud and this is quite evident even in the Hybrid Perpetuals, Frau Karl Druschki

and Hugh Dickson, and also in the Hybrid Rugosa, Conrad F. Meyer, all of which have pure Tea in their backgrounds.

Is there a distinctive Rose perfume? There are so many nuances of Rose fragrance that we cannot say "that is it." There may have been, some day long ago, a fragrance that is interwoven with romance and that to you is true Rose; it may be a childhood memory; or your impressions may have come from Attar of Roses. The old conundrum of "what smells most in a greenhouse?" has for its inane answer, "your nose," but each nose may have its individuality in seeking out a dominant fragrance.

Does it not all get down then to personal preference? In colour, form and fragrance we like what we like and there can be no perfection that is perfection by a universally accepted standard. There will always be new Roses and many will be better than some we have to-day. We have many delightful Roses noted for form, colour and fragrance and we will welcome the variations to come. What, then, do we want for the future? Will we not say we want better growth, greater resistance to disease, hardiness and floriferousness? I think that these characteristics are the greatest that we can wish for in the years to come.

Some of our best Rose blooms are from poor plants which are notably poor growers. For garden Roses we want a good bushy habit with medium height and with an inherent tendency to symmetry. Some of the species Roses have these characteristics and we would like to borrow from them this one feature.

We must mention greater resistance to disease as a requirement of future Roses. Although the Pernetianas brought new colours to our gardens they also brought the worst disease of all—Blackspot—and this disease we will always have to combat. Claims are made that certain roses are immune to Mildew but I venture to say that under certain conditions a reputed mildew-proof Rose can be made to exhibit this unsightly disease. Mildew can be eradicated, however, by proper feeding to produce a healthy plant, and the same healthy plant will probably escape Black-spot. A plant improperly fed, and with a resultant weakened constitution, is likely to succumb to any fungous disease. No improvement in plants for resistance to diseases will be a substitute for controlled feeding with a balanced diet of nitrogen, phosphates and potash. It is possible that a garden full of guaranteed mildew-proof Roses would only lull the grower

into an insecure reliance on the catalogue guarantee, and result in disaster. (It would seem that I am bound to bring in the subject of fertilizers into any article I write very much like King Charles' head entered into Mr. Dick's history. In fact, I told the Editor that I wanted to get away from all references to feeding Roses and write something about the more appreciative side of Roses, but it seems that I cannot miss an opportunity.)

Hardiness is much to be desired. We boast about Ontario being especially blessed for the Rose Grower on account of our steady winters on the basis that "if is not cold that kills a rose; it is the thawing." This wonderful winter may prove this theory to be right. We do want hardy Roses like so many of the Hybrid Perpetuals and the Rugosa Hybrids. We still have some power to make our present Roses hardy, however, and that is by proper feeding (I WILL bring this subject in). A moderately hardy Rose, properly fed, properly ripened and by its maintained constitution not attacked by fungous disease will have a much better chance to come through a bad winter than a notably hardy Rose improperly nourished. Hybridizers continue to look at the Rugosa as a source of the hardiness characteristic.

Floriferousness, or the characteristic of producing many blooms, is a major objective in producing new varieties. This has been one of the great advances in this century. The Hybrid Perpetual which might be sufficiently perpetual to give two sets of bloom in one season undoubtedly was a great advance on some of the Roses in the past, but the modern Hybrid Tea with its fairly continuous flowering throughout the summer has given us a new standard for comparison.

Can all these requirements be blended into one? The Hybridizer is better equipped to-day than he was at the beginning of the century. Can he produce one Rose combining the best features? Can he say—I will take the form of Mrs. A. R. Barraclough, the interesting colours of Shot Silk, the fragrance of Richmond (there is my idea of Rose fragrance, and it was the first rose grown in our garden), the growth, resistance to disease, and hardiness of the species Rugosa, and the floriferousness of some of the Polyanthas?" He might do all this by hundreds of thousands of crosses to the third and fourth generation and then again for generations after that, and by scientific advancement step-by-step achieve the ultimate.

The expert in Rose genetics may indicate the possible sources of a wanted characteristic which may be blended into a new hybrid and thus may narrow the field within feasible boundaries. The expert in the newer science of the botanical laboratories may create an artificial environment in which roses may grow, and thus influence sporting, as it is found that sporting in nature is very considerably influenced in certain localities by natural radioactivity. The botanist now obtains his laboratory results by X-ray and other radiations, and it is predicted that this will have a practical application to Roses. Another advance of the last few years has been a method developed for germination of Rose seeds, raising a rather haphazard germination taking from a few months to many years, to fairly positive germination within a few months' time.

These advancements by the botanist in methods of creating new varieties combined with the hopefully enthusiastic efforts of our present leading hybridists should result in many new varieties, hybrids within our present groups of roses, new crosses with species and new sports of older Roses. The advances since the beginning of the century and the advances of the last few years show an increasing impetus in new and valuable varieties. The practical utilization of some of the botanists' new technique should bring interesting results. The Rose Catalogues of 1964 will show how these talents have been used.

Hybrid Rugosas

By Paul B. Sanders,

Dept. of Horticulture, O.A.C., Guelph, Ontario

In accepting the Editor's request to deal with the above subject, I am fully aware that I am, more or less literally, "flying in the face of Providence." As I write, the opinion of one of our advanced rosarians comes to mind: in response to a reference to the Hybrid rugosa, "F. J. Grootendorst," he snorted. "That thing," he cried, "I wouldn't give it house room!" I say this: If you are not interested in hardy rose bushes; if you are not interested in beautiful shrubs; if you don't care for plants bearing attractive fruits during the fall and early winter months; if your imagination cannot conceive rose hedges as satisfactory as, and more beautiful than, evergreen or privet hedges; and, finally, if you are not

interested in *Rugosa* hybrids simply because they form a type of rose; then, gentle reader, if none of the above points appeal to you, please turn to some other article in this book; and, if you fail to find any item of pleasure and satisfaction, let me tell you, firmly and emphatically: You do not grow roses.

In discussing Hybrid *rugosas* or, as they are commonly called, "Japanese roses," suppose we deal first with the faults frequently charged to them; and these faults are, to state the case mildly, numerous. In the first place, the period of bloom is too short. This is quite true with many of the Hybrid *rugosas*, as the blooming period is frequently of only three weeks duration. But we have recurrent blooming *rugosas*: F. J. Grootendorst, Pink Grootendorst, Mrs. Anthony Waterer, Sir Thomas Lipton, Berger's Erfoig, Mme. Georges Bruant and Blanc Double de Coubert all bloom more than once in a normal season throughout most of Canada. Supposing, however, we had no varieties recurrent in blooming habit, does the *Spiraea* bloom more than once a year? Or the Mock Orange, the *Deutzia*, the Lilac? Personally, I have no fault to find with these shrubs, but it is shameful to neglect beautiful shrubs which produce roses, just because the blooms do not last long; or, to anticipate the next objection, just because the blooms are not as perfect in form as those grown in greenhouses. Certainly a *Rugosa* rose bush, in itself, is as beautiful as a *Spiraea* or a Barberry, and more attractive in growth habit than a Lilac, a Dogwood, or a Forsythia. We grow the Barberry, generally, because of attractive foliage in the fall and the bright berries carried into early winter; *Rugosas* have equally beautiful foliage and bear highly ornamental orange and scarlet seed-pods (hips) in late fall and early winter; and not only this, but they produce beautiful roses, while the blooms on the Barberries are insignificant. Away with the plaint that the blooming period is too short! It has no foundation in fact when compared to other shrubs. And, besides, those varieties named above bloom off and on during the summer months; as do also the red, white and pink *Rugosa* species, if the seed-pods are removed as they form.

The next objection is: the blooms are of poor form. Just what is form in a rose? If by form is meant blooms carrying fifty or sixty petals; or of an oval or pointed shape; then, most truly, these flowers are of poor form. Possibly the variety Betty Upchurch is as generally cultivated as 90% of the varieties of Hybrid Teas introduced during the

past ten years; undoubtedly the variety Dainty Bess has created a furore throughout the rose world; yet neither of these deservedly popular sorts bear blooms which answer to the description of form as outlined in the preceding sentences. They are generally conceded to be decorative roses, and that, exactly, is the category in which the blooms of many varieties of Rugosas should be placed. On the other hand we have Rugosas which bear double flowers. Consider Mrs. Anthony Waterer, Sir Thomas Lipton, the two Grootendorsts, Agnes, Agnes Emily Carman, Mme. Georges Bruant, Conrad Ferdinand Meyer, Nova Zembla, and Stern von Prag; each and every one bears blooms which, if not fully double, at least are as double as many of the Hybrid Teas so classified. Then, too, single roses are, in the main, very attractive, and exceedingly useful in decorative work. Several of these Rugosas, as Belle Poitevine, Roseaie de l'Hay, Rose a Parfum de l'Hay, and the species, produce large decorative roses of great beauty.

Another fault laid to this maligned rose type is the claim that the blooms are of little or no value as cut flowers; and this statement is not quite true. It is true that the flowers are short stemmed, and that they frequently occur in clusters, but the brilliant red and crimson roses as well as the amber-coloured blooms of Agnes are very effective when arranged in a low, flat dark bowl, just as the blooms from Gruss an Teplitz may be tastefully arranged. Even if the blooms were useless as cut flowers, as is the case with the Grootendorsts, the same is true of many of the Dwarf Polyanthas (Baby Ramblers), and no fault is found with them on that score. Again, how many of our shrubs produce good cut flowers? Not many. Spiraeas, Barberries, Deutzias, Mock Oranges, and Dogwoods—to mention only a very few—are of little value in this respect, and yet we do not hear complaints about them. Personally, I believe too much is expected of the Rugosas, and it is my firm belief that most people do not realize that these plants are essentially shrubs; and are not rose bushes in the commonly accepted interpretation of that description. But enough of faults; space is too limited to admit of further detail in this matter. In case these have not already been offset by previous remarks, suppose we mention some of the advantages possessed by these plants, and not common to the general run of rose bushes.

First, and most important, is the iron-clad hardiness of this group: for the most part they will winter alive in any

part of this Dominion not frost-bound for more than ten months annually without winter protection of any description. In other words, they are as hardy, as a class, as the Lilac. The varieties, Mrs. Anthony Waterer, Souv. de Philemon Cochet, Stern von Prag and Mme. Georges Bruant kill back somewhat in severe winters, and Conrad F. Meyer, one of the finest of all Rugosas, sometimes kills out. I know of no other varieties which even appear to notice climatic conditions throughout Ontario.

As they are hardy, there is little or no dead wood to be removed in the spring and pruning is unnecessary, except to shape the plant or hedge. Also, these plants seem to be immune to most of the rose ills; I have never seen a Rugosa showing either Mildew or Black-Spot; nor have I seen one attacked seriously enough by insects, to warrant the time, trouble, and expense of spraying or dusting them.

They have another very considerable advantage, and that is their comparative indifference to poor soils. They are blessed with extraordinarily strong root systems, and have the ability to procure sustenance from soils in which any other common rose type would refuse to grow. Naturally, better results will be obtained in better soils, and applications of the usual fertilizers will be gratefully received by the Rugosas, but such attentions are not essential. In short, the Rugosa is the "Fool-Proof" rose for Canadian gardens. If you are of the type that desires roses, and are "too busy" to give them the requisite attention, plant Rugosas!

The claim is not made, even if this little article may seem unduly enthusiastic, that the Rugosas will replace the other types; by no means. But they do deserve a prominent place in the shrubbery, or as individual shrubs at various vantage points throughout the grounds or the garden.

Mention has been made of several varieties, and it seems only fair that the better sorts be listed according to their colours, so that the reader may have some conception as to their appearance. Remember that all these varieties are fragrant, and that most of them will reach a height of four feet or more.

Among those bearing red and crimson blooms we might include: Agnes Emily Carman, Rose a Parfum de l'Hay, Roseraie de l'Hay, F. J. Grootendorst, Carmen, Bergers Erfoig, Stern von Prag, and Mrs. Anthony Waterer. White: Mme. Georges Bruant, Blanc Double de Coubert, Sir Thomas Lipton, Souv. de Philemon Cochet, and Dr. E. M. Mills.

Pink shades: New Century, Belle Poitevine, Sarah Van Fleet, Conrad Ferdinand Meyer, and Pink Grootendorst.

The variety Agnes deserves special mention, not only because it is a Canadian origination of outstanding value; not only because it is the only variety in existence to win the Van Fleet gold medal for a "back-yard" rose; but also because the color of the blooms is unique in the rose world: the small, double, fragrant flowers are pure amber and, though borne only over a three week period, this shrub should be in every Canadian garden. The foliage remains wonderfully attractive all summer; no seed-pods are borne.

Max Graf is another variety worthy of special consideration because of its habit of growth. It is essentially a ground coverer, the long, thorny canes spreading along the ground in all directions from the centre of the plant. It blooms only once in the season, and bears large, single pink flowers. It is absolutely hardy and, if some unsightly garden spots need to be hidden, here is a plant ready-made for the purpose.

Permit me to say, in conclusion, that much, much more might be said for this class of rose, which seems to be so well adapted to our climatic conditions. With rose varieties such as those mentioned available, there seems to be no reason why every garden in this Dominion should not have at least one rose bush. When considering the ordering of shrubs for the home property, forget the idea that one has to have a preponderance of Spiraea; order some, of course, but leave room for at least a few Rugosas, and you will not be disappointed. Remember always, in gardening, that, whatever else you do, and wherever your garden may be, you should have in that garden a rose bush. No flowering plant will provide such genuine satisfaction, and rose varieties suitable to all our varied climatic conditions are available.

Notes on Novelties

By the Editor

Despite the inevitable disappointments attendant upon a programme of experimentation with new introductions, your Editor continues to pursue this fascinating practice, always stimulated by the hope that he may discover something of outstanding merit. There have been several such discoveries in the past two years, and the subjoined notes, supplemented in a number of cases by comment from Col. Hugh A. Rose and Mr. Paul B. Sanders, are presented in the hope that they may prove helpful to other Rose adventurers.

Anne, H.T. (Pemberton, 1925). Col. Rose reports a strong-growing bush, with flowers of immense size, full and pointed, and delightfully fragrant. The colour is cherry pink. Evidently this variety has been overlooked.

Barbara Richards, H.T. (Dickson, 1930). One year's experience indicates that Barbara Richards is capable of producing occasional very excellent blooms. The petals are of heavy texture although not numerous. The growth thus far has been only fair, and we observed some evidence of mildew, but no blackspot. The stems are strong but they might well be longer. The plants did not bloom freely enough to warrant this variety's recommendation as a Rose for general cultivation. It is strongly scented.

Bedford Crimson, H.T. (Laxton, 1927). The growth is low and spreading and the blooms are too few in number. The colour is rich and well-maintained and the fragrance is powerful. If it only had the vigorous habit of *Etoile de Hollande* it might go far. Mr. Sanders describes it as a good bedding Rose.

Caledonia, H.T. (Dobbie, 1929). Another season's experience confirms our previously-expressed opinion that Caledonia is the best white Hybrid Tea. The growth is excellent and its constitution sound. The blooms are produced with remarkable freedom when one considers their high quality. Mildew was in evidence in the latter part of the season. Scent is absent. Col. Rose and Mr. Sanders are in substantial agreement with the above conclusions.

Canary, H.T. (Dickson, 1929). An extremely attractive and free-blooming, yellow, decorative variety. The colour fades somewhat but is never objectionable. The growth is

satisfactory and the foliage seems healthy. It impresses us as a lighter-coloured and more vigorous Christine. Col. Rose shares our enthusiasm for this variety, reporting that it is constantly in bloom and that it seems to like our climate.

Cherry, H.T. (McGredy, 1928). A startling colour in the bud stage, but the blooms lack substance and the plants are poor. It has been a disappointment to us.

Comtesse de Castilleja, Per. (Chambard, 1927). While making fairly vigorous growth and with foliage apparently disease-resistant, yet the blooms themselves do not intrigue the imagination. The lasting qualities of the blooms are not great. The colour also is fleeting.

Conqueror, H.T. (Chaplin, 1929). Mr. Sanders is favourably impressed, reporting—"Strong plants which provide abundant bloom and beautiful foliage. Bloomed freely, particularly late in the season. Slightly fragrant, semi-double, light orange, tinged yellow."

Desmond Johnston, H.T. (McGredy, 1927). Mr. Sanders advises that he regards this as a good garden Rose and that it is one of the first to bloom.

Dr. Hawkesworth, H.T. (Bees, 1928). This appears to be a valuable acquisition to the red section. The growth is vigorous and we have observed no evidence of disease of any kind. The colour is well-maintained, and, while the blooms are not large, they have ample substance. The fragrance is strong.

Duchess of Montrose, H.T. (Dobbie, 1929). This variety has earned the good opinion of Mr. Sanders who calls it a good decorative Rose, producing freely on plants of moderate vigor its large, semi-double, fragrant, red blooms.

Edith Nellie Perkins, H.T. (Dickson, 1928). We regard this as one of the most beautiful of the newer introductions. The colour is a wonderful combination of buff, salmon and yellow, attractive in all stages of development. Its habits of growth and general behaviour leave little to be desired. Mr. Sanders concurs in the above report, but regrets the absence of fragrance.

E. G. Hill, H.T. (Hill, 1929). Another crimson of considerable merit. Of sufficient fullness, the blooms last well either when cut or left on the plants. The form is excellent in the young flowers, which, however, occasionally become

flat as they develop. The blooms, which are highly-scented, are produced freely.

Frau E. Weigand, Per. (Weigand, 1929). This Rose is a curious collection of contradictions. The growth and foliage are excellent and the blooms are freely produced. They are so shapeless, however, as to cause one to lose interest immediately.

Gaiety, Per. (Hill, 1928). Another seedling from the Hill nurseries which should attain wide popularity. It branches from the base and blooms very freely. The buds and half-open blooms are very captivating, and the glossy foliage is distinctly decorative. Our first year impressions are quite favourable.

George Dakin, H.T. (Burbage, 1929). This is evidently another member of the Ophelia family. The blooms are not large, but are of perfect form and are salmon pink with an orange suffusion. The buds are particularly charming and are produced in groups of three. Severe disbudding is desirable. Traces of mildew were apparent in late August.

Gladys Benskin, H.T. (Dickson, 1929). A sad disappointment in midsummer, but a joy in autumn! The growth with us has been poor and the summer blooms have been few in number as well as lacking in substance and distinctiveness of colour. The autumn blooms, however, have been very charming, resembling somewhat the delightful shades of Lady Pirrie at her best.

Gloria Mundi, D. Poly. (Sliedrecht, 1929). Mr. Sanders is critical: "A dwarf Rose bush many will want in their gardens because it has received considerable publicity—but it is disappointing. Undoubtedly worth while to the florist, it is unsatisfactory in the garden because it changes colour in our brilliant sunshine, and is no better than several of its predecessors of the same shade.

Grenadier, H.T. (Dickson, 1930). The performance of this Rose to date has not been such as to cause us the least flutter of excitement,—just another crimson variety with no outstanding virtues and with many of the vices common to its brethren. Mr. Sanders, on the other hand, regards it as a very attractive, decorative Rose. For him it grows well, blooms freely and bears satisfactory foliage. With two contradictory reports, the reader must decide for himself!

Helen Fox, Per. (Buatois, 1929). Helen Fox produces with moderate freedom its attractive and shapely yellow blooms on long stems. The buds are a delight to the eye, but the lasting qualities of the blooms leave much to be desired. The growth is vigorous and erect, and the foliage seems healthy. Lovers of yellow Roses might do worse than try this one.

Hon Charlotte Knollys, H.T. (Bees, 1926). The performance of this Rose has not been particularly impressive. The blooms are of excellent quality, but they have been very sparsely produced, and their colour is uninteresting.

James Gibson, H.T. (McGredy, 1928). This one appears to have considerable to recommend it. The blooms are large and full, and the colour is fairly well maintained, although we noted some burning of the edges of the petals in midsummer. The blooming habit is satisfactory and the growth fair. Fragrance is not one of the variety's outstanding attributes.

J. C. Thornton, H.T. (Bees, 1928). The buds of this Rose are extremely beautiful, but the expanded blooms reveal low centres. The growth with us is weak and the stems of insufficient strength to support the blooms properly. Scent is absent. Col. Rose admires the rich, velvety crimson colour and the free-blooming habit of this variety.

Joan Cant, H.T. (B. R. Cant, 1929). Here is a winner! It has attractiveness of form and colour, lasting qualities and free-blooming propensities to recommend it. It branches freely from the base and every shoot is crowned with a bud. Try it.

Joanna Hill, H.T. (Hill, 1929). We admire the blooms of this Rose so much that we regret having to mention a fault. The fact remains, however, that it does not bloom freely. The blooms are always of splendid form, and they last well whether cut or allowed to remain on the plant. This variety also ranks high in the opinion of Col. Rose, who is enamoured of the well-shaped flowers of clear yellow with a deeper shade in the centre.

Johannizauber, H.T. (Tantau, 1926). Mr. Sanders reports as follows: "A strong-growing, free-blooming variety which has been neglected. The blooms are somewhat small, but the plants flower so generously that the variety should be widely planted."

Julien Potin, Per. (Pernet Ducher, 1928). The experience of another season confirms our previously-expressed opinion that Julien Potin is the best all-purpose yellow Rose in commerce. The shapely, substantially-built blooms are of an arresting colour, and the plant is symmetrical, healthy, and of fair vigor. Our only criticism is that the first-crop blooms are occasionally somewhat pale in colour. We find it much more reliable than Souvenir de Claudius Pernet, but Mr. Sanders still prefers the older variety on account of its stronger growth and occasional excellence.

Lady Barnby, H.T. (Dickson, 1930). This appears to be a deeper-coloured Mrs. Henry Morse, endowed with a more powerful scent. We have only had it one season and it did not bloom freely, but the quality of the flowers was excellent.

Lady Forteviot, Per. (B. R. Cant, 1928). A decorative Rose of some importance, although the expanded blooms do not fulfil the promise of the long, graceful buds. The rich colour of the buds quickly disappears in the open blooms. The stems are long, but the foliage is sparse and the blooms are too few in number.

Lucie Marie, H.T. (Dickson, 1930). This is a tantalizing Rose. The growth is magnificent, the stems long and rigid, and the foliage ample and healthy, but the shape of the bloom is so poor as to offset in one's mind all the good qualities. The buds invariably appear promising, but the blooms develop low, open or hard centres which rob them of whatever beauty they might otherwise have revealed. The colour is a combination of yellow, apricot and salmon, and the fragrance is sweet and fruity. We are hoping that another season will produce different results.

Madame Henri Quenille, Per. (Pernet Ducher, 1929). This variety appears promising. The buds and blooms, which are freely produced, are attractive in all stages of development, being both shapely and colourful. The plant has a semi-sprawling habit, but it appears to be resistant to disease. Worthy of a thorough trial.

Madame Nicolas Aussel, H.T. (Pernet Ducher, 1931). Mr. Sanders' comment indicates that this Rose will bear watching: "Unusually strong plants, bearing fine foliage and many blooms. Buds large and of good form. Colour: deep carmine with yellow base. A very promising variety."

Marchioness of Linlithgow, H.T. (Dobbie, 1929). We have not grown this Rose, but Mr. Sanders furnishes some interesting information concerning it: "I imagine that, grown in partial shade, or in a garden near the sea, this would be a wonderful Rose. Unfortunately our sunshine 'blues' it terribly. The blooms are semi-double, scarlet, of tremendous size, and have a slight fragrance. The stamens are bright orange and are very prominent. The plants themselves are moderately vigorous."

Margaret Anne Baxter, H.T. (Smith, 1929). This is said to be an improvement on Caledonia, but in our opinion the latter is the better Rose. There is little to criticize in Margaret Anne Baxter aside from the tendency occasionally for the large buds to experience difficulty in opening. The colour is not as pure and chaste as is that of Caledonia, but Baxter has scent, which Caledonia lacks. Growth and blooming qualities are entirely satisfactory.

Marguerite Chambard, H.T. (Chambard, 1929). We think well of this Rose. The growth is fairly strong, the colour bright and the stems long. Moreover, the blooms last well either when left on the plant or when cut.

Max Vogel, H.T. (Leenders, 1929). This variety has captured the heart of Mr. Sanders who says: "Even though our plants did not grow well in their first season, we like the blooms sufficiently to recommend the variety—even though its hardiness has not yet been tested! Well formed, coppery-orange, fragrant bloom."

McGredy's Scarlet, H.T. (McGredy, 1930). Another sort which has earned the good opinion of Mr. Sanders, whose report is as follows: "We like this variety. Blooms are really scarlet, and, though the outer petals fade somewhat, the original colour is held very well until the flower is finished. Plants are strong and foliage good. Blooms fully double and fragrant."

Mrs. George Geary, H.T. (Burbage, 1929). A flat tire! Sans vigor, sans health, sans beauty, sans fragrance. What remains to be said?

Mrs. Erskine Pembroke Thom, Per. (Howard & Smith, 1926). Col. Rose feels that this variety has been neglected by the Rose-growing public. He regards it as one of the best yellow bedding Roses, capable of producing exquisitely-shaped blooms fit for any exhibition table.

Mrs. S. Paton, H.T. (McGredy, 1928). This is another of Col. Rose's amours. He reports that it is generous with its blooms and that the latter are of exhibition size and quality.

Night, H.T. (McGredy, 1930). An appropriate name. In early season it displayed a tendency to produce blind wood, but light pruning in July corrected this evil. The colour is as dark as that of Prince Camille de Rohan and the blooms are more shapely. The foliage is soft and susceptible to mildew. The blooms were unable to withstand the extreme heat of midsummer, but were of good quality in autumn. It is an interesting novelty with a strong perfume. With Mr. Sanders the blooms were not as dark as he had been led to expect. His bushes, however, grew strongly and the dark red, double, fragrant blooms were produced freely.

Oliver Mee, H.T. (S. Dickson, 1927). In colour this is a combination of apricot, fawn and salmon. The buds and blooms are globular in shape and their lasting qualities are fair. If disbudding be practised, blooms of great size can be obtained. This variety seems to possess sufficient merit to warrant a more extended trial.

Polly, H.T. (Beckwith, 1928). Undoubtedly one of the best of the recent introductions. It is another member of the Ophelia tribe, but capable of producing better blooms than any of its forebears, and the plant appears to be without many of their weaknesses. Polly has everything except the ability to produce enough blooms to satisfy us. Mr. Sanders, also, is enthusiastic, reporting as follows: "We were not particular about this variety at first, but our plants have become well-established, and are now very vigorous. The large blooms are double, of good form, fragrant, and 'yellow-pink' in colour."

President Jac Smits, H.T. (Verschuren, 1929). This might be described as a slightly darker K. of K. The growth, while vigorous, is semi-horizontal, and the semi-double blooms are produced with remarkable freedom. We like it.

Rachel, H.T. (Pemberton, 1929). This Rose has attracted the attention of Mr. Sanders, who says: "Moderate sized creamy buds opening to salmon-pink, double blooms of real attraction. Blooms are fragrant and last well. Foliage fine, growth good, free flowering."

Rosella Sweet, H.T. (Pernet Ducher, 1930). Another variety which has made friends with Mr. Sanders: "This appears to be a very good decorative Rose. The blooms are large, semi-double, fragrant and of a combination of colours: 'copper-bronze-yellow-red.' The buds are of fine form and the plants are strong, free-blooming, and bear excellent foliage."

Rose Berkley, H.T. (McGredy, 1928). Col. Rose describes this as salmon-pink in colour, with a suffusion of orange. He likes it.

Scarlet Glory, H.T. (Dickson, 1925). Col. Rose points out that, while this variety can no longer be regarded as a novelty, yet he feels that it has been overlooked. He describes it as very beautiful in the autumn, the blooms being large and pointed, and having the velvety sheen of Hoosier Beauty but the vivid scarlet colour of Paul's Scarlet Climber.

Swansdown, H.T. (Dickson, 1929). This looks like another winner. The colour in summer is white with an ivory-yellow base, and in autumn a pale yellow. The blooms and buds are of good form, and they always open well regardless of weather conditions. The growth is fairly vigorous, and we have observed no evidence of disease. A free bloomer. Col. Rose also regards this variety as very promising.

W. E. Chaplin, H.T. (Chaplin, 1929). To date this has been a disappointment to us, as we had been led to expect much. The growth has been poor, the blooms few, and the colour weak. We are hoping for better results in 1932. Col. Rose, on the other hand, sends an entirely different report, advising that W. E. Chaplin has fully lived up to expectations. With him it was good from early summer until late autumn, and he feels that it can be depended upon as a free-blooming garden and exhibition Rose.

Wm. E. Nickerson, H.T. (Easlea, 1928). This Rose, while classed as an Hybrid Tea, has all the earmarks of an Hybrid Perpetual. The foliage is coarse and soft, with a predilection for mildew. The plant is of vigorous growth, but stingy with its blooms, while the latter can lay no special claim to distinction.

The Climbing Hybrid Teas

By A. J. Webster, Toronto

(Reprinted by kind permission of The Canadian Horticulturist.)

While practically all Rosarians are familiar with the most approved cultural practices applicable to the Wichuraiana and Multiflora hybrids, yet relatively few have gotten beyond a nodding acquaintance with the climbing sports of the Hybrid Teas, Pernetianas and Teas, a class whose numbers have increased very rapidly in recent years, and whose merits render them deserving of much greater popularity than they presently enjoy in this country. It would appear that they may be justly regarded as "misunderstood Roses," and the subjoined notes are presented with the hope that they may prove helpful in dispelling the mists of uncertainty which apparently exist.

Before proceeding further with our discussion it seems desirable to record that the class of Roses under consideration was not created by orthodox methods of hybridization. It is the offspring of a sporting freak of Nature, and, as a consequence, a certain percentage of climbing sports revert to the dwarf type for reasons which are still obscure. This tendency toward reversion is more pronounced in some varieties than in others, and it provides much food for study.

The degree of vigour varies in different varieties, but, generally speaking, these Roses yield a maximum of satisfaction when planted beside a wire or lattice fence, where the canes may be trained horizontally rather than upright. Such an arrangement encourages the growth of flowering laterals, resulting in a greater wealth of bloom. It also tends, by inducing the production of new basal growths, to eliminate the bare legs at the base of the plant, which otherwise become unduly conspicuous, particularly after the tree becomes thoroughly established.

The methods of planting advocated for dwarf Roses apply to the Climbing Hybrid Teas, but, in view of the probability that a climber is to be a permanent fixture in a given location, a little extra preparatory work is desirable. Deep and thorough cultivation of an area three feet square is essential for maximum satisfaction, and, if the natural drainage be inadequate, artificial drainage in the form of bones, broken flower pots, broken bricks, etc., should be supplied at a depth of two feet. It may seem superfluous to mention the necessity for a natural arrangement of the roots, the removal of any mutilated roots, the firming of the soil by treading, and the use of plenty of water, but we do so lest some of these requirements might be overlooked. It is most important, also, in the course of the planting operations, to avoid the exposure of the root system to the drying effects of the sun and wind. It is assumed that a supply of manure has been incorporated in the soil but out of reach of the roots of the new plant. When established the roots will soon reach out for the food supply.

The pruning of Climbing Hybrid Teas is a subject on which we find a sharp cleavage of opinion among authorities. It is argued on the one hand that the severe pruning of a newly planted Climber may tend to cause the plant to revert to the dwarf type, and that on this account, it is merely to remove unsound or shrivelled wood, if any, leaving the stems as long as possible. Those who advocate severe first-year pruning stress the importance of getting the root system established as quickly as possible, and this, they claim, is retarded by the retention of much top-growth. It is argued, moreover, that only by hard pruning will the plant be stimulated into producing strong basal shoots for blooming the following year. Undoubtedly there is sound reasoning behind the arguments of both parties to the controversy, and the reader may decide for himself as to

the method which he will adopt. The writer is inclined to prune severely and risk reversion, and to date he has had only one plant abandon its climbing habit—a specimen of Climbing Irish Fireflame. Established plants may be pruned sparingly, the removal of frozen tips and of wood otherwise unsound being sufficient. It is well to shorten the laterals to about four eyes. Pruning requirements vary somewhat with different varieties,—for example, should the plant show a tendency to produce an abnormal number of basal shoots, it may be well to remove occasionally one of the older canes to prevent the tree from getting out of hand.

Liberal feeding of climbing sports is quite necessary if we desire a full demonstration of their capabilities. Well-rotted cow manure, applied in the early Spring, will supply nitrogen and the humus which is so necessary for the propagation of soil bacteria. Bone meal and hardwood ashes, supplying respectively phosphoric acid and potash, should be applied in the Autumn, as, being slow acting, the benefits will be felt in the following Spring. A light dressing of hydrated lime every three years will correct any tendency toward soil acidity which may result from the annual application of animal manures. In early June, it might be well to supplement the foregoing with weak but frequent applications of liquid manure.

It has been the writer's experience that the blooms of the climbing sports are of stronger colour and greater size and substance than those of the dwarf types of the same variety. While they do not bloom constantly throughout the season, there are recurrent crops with most varieties and one or two sorts,—particularly Climbing Madame Edouard Herriot,—are rarely without bloom. One must exercise patience, however, as the Climbers ordinarily require two or three years before appearing at their best. They must first become thoroughly established, but they amply repay us for the delay and for any little extra attentions which we may care to give them.

Climbing sports first began to appear in the catalogues of nurserymen in Europe in 1881, when Climbing Captain Christy (H.P.) was introduced. No additions to the list were recorded until the advent of Climbing Kaiserin Augusta Victoria (H.T.) in 1897, and since that date new members of the sporting fraternity have been appearing almost annually. A few of the most satisfactory sorts are Allen Chandler, Climbing Mme. Edouard Herriot, Climbing Mme. Caroline Testout, Climbing Mme. Abel Chatenay, Climbing Ophelia, Climbing General MacArthur, Climbing Mrs. Herbert Stevens, and Climbing Richmond. The variety, Climbing Los Angeles, is said by eminent authorities to be capable of producing blooms infinitely superior in every respect to those borne by its dwarf counterpart, but the writer has had no experience with it as yet. Before leaving the subject of varieties, however, we desire to direct the attention of the reader to what we consider to be one of the loveliest Roses available, viz.: Paul's Lemon Pillar. It does not belong to the class which we have been discussing, being a hybrid Noisette (Frau Karl Druschki X Marechal Niel), but its habit of growth is similar to that of the Climbing Hybrid Teas. It requires protection in winter, and, since it does not bloom on wood of the current year's growth, some three years from planting must elapse before it will become impressive. When established, however, it is magnificent, producing with reckless prodigality its full, shapely, sulphur-yellow blooms,—the equal in quality of those of any dwarf type,—over a period of three or four weeks. It appears, also, to be entirely immune to disease.

In conclusion it might be well to enumerate briefly the essential prerequisites to success in dealing with the Climbing Hybrid Teas,—ample root room, liberal feeding, an adequate moisture supply and a satisfactory system of drainage.

The Constitution

I. The members of the Society hereby constitute themselves The Rose Society of Ontario, the seat of which shall be at Toronto, where the Records and Library shall be kept.

II. The purposes of the Society are to study, cultivate and exhibit Roses, award prizes for cultivation, exhibition of and essays upon Roses and Rose Culture; to acquire a Library on Rose Culture and generally to further and encourage the cultivation and study of Roses.

III. The Society shall consist of its Members and such additional persons as shall from time to time be admitted to membership by the Board of Directors, on payment of the fees prescribed by the rules.

IV. The members of the Society shall elect by ballot from amongst themselves a Board of Directors, to consist of twenty members, of whom six shall form an Advisory Board, and such Board of Directors shall make rules, and perform all executive and administrative duties; and six shall form a quorum. The Board of Directors shall elect a President and four Vice-Presidents, who shall hold office for one year, and who shall be eligible for re-election.

V. The Board of Directors shall hold office for one year from the date of their election, and until their successors shall be elected, and all members thereof shall be eligible for re-election.

VI. The Board of Directors shall appoint a Secretary and a Treasurer, both of which offices may be held by one person, who shall hold office during the pleasure of the Board, and shall perform such duties as the Board may direct.

VII. Any member of the Board of Directors who shall be successively absent from three duly called meetings thereof, without the consent of the Board, shall thereupon cease to be a member of the Board, who may then proceed to fill the vacancy as hereinafter provided.

VIII. If any vacancy occurs in the Board of Directors, by the death, resignation or inability to act, of any of the members thereof, the other members of the Board may appoint another to fill his or her place, to hold office on the same terms as the other members of the Board.

IX. The members of the Society in any city or town or other district of Ontario to be defined by the Board of Directors, may, with the approval of the Board, appoint a committee for such city or town or other district, and may elect a presiding officer thereof, to be called the (name of the city, town or district) Vice-President, for the management of such local affairs of the Society not inconsistent with the Constitution and Rules, as may be necessary, and members so acting may adopt the name of The Rose Society of Ontario (name of city, town or district) Branch.

X. Exhibitions shall be held in Toronto, and may be held at other points in Ontario, at times to be decided upon by the Board of Directors, and prizes may be given at such Exhibitions.

XI. All competitions for prizes shall be divided into the following classes:—

Class 1.—Professional.—Comprising all such persons or corporations as carry on the trade of growing and selling flowers.

Class 2.—Semi-Professional.—Comprising all persons who do not grow flowers for profit, but who keep gardeners, not otherwise employed.

Class 3.—Semi-Amateur.—Comprising all persons who do not grow flowers for profit, but who have the occasional assistance of gardeners in the cultivation of Roses, not solely employed by themselves.

Class 4.—Amateur.—Comprising all those persons who do not grow flowers for profit, and who cultivate Roses without the assistance of skilled gardeners, but who may employ a labourer.

Class 5.—Novice.—Comprising amateurs who have never exhibited before.

NOTE:—Amateurs and Semi-Amateurs may compete in the Professional and Semi-Professional classes, but the Professionals and Semi-Professionals may not compete in the Amateur and Semi-Amateur classes. XII. The Constitution may be changed in any respect by a two-thirds vote of the members present at any annual meeting of the Society.

XIII. A general meeting of the members of the Society shall be held at such place in the City of Toronto as the Board of Directors may appoint, in the month of December each year, on such day as the Board shall appoint for the purpose of receiving a report from the Board of all matters of interest and business during the preceding year, and for all other general purposes relating to the management of the Society, and at such meeting, a full statement of the finances of the Society for the year shall be submitted by the Board. Notice of such annual meeting shall be mailed to each member of the Society not later than ten days before such a meeting shall be held.

XIV. A special meeting of the members of the Society may be called by the President at any time, or such a special meeting shall be held upon the written application to the President of not less than twenty members of the Society, to consider any specified business. The President shall at the first ensuing meeting of the Board of Directors lay such application before the meeting and the Board shall appoint a date for such special meeting to be held within the succeeding two weeks at some place in the City of Toronto, and the members shall be notified by mail not later than ten days before such a meeting shall be held.

Rules of the Rose Society of Ontario

1. The subscription to The Rose Society of Ontario shall be one dollar per annum for ordinary members, and five dollars for sustaining members, payable in advance on the date of the annual meeting, and not later than the first day of January of each year.

2. If a member is elected after 1st December in any year and before the following January, his or her subscription shall be taken as for the following year, and the Rose Society's year shall end with the calendar year.

3. Any member may, upon payment of twenty-five dollars (\$25.00) be declared a Life Member.

4. The Board of Directors may form such committees as may be necessary for the transaction of business.

5. Lectures and instructions upon Roses and their culture shall be given under the auspices of the Society, at such times and places as the Board of Directors may determine.

6. The Board of Directors shall have power to appoint such persons, not necessarily members of the Society, as may be necessary for arranging for the Exhibition.

7. Affiliation by Horticultural or other Rose societies may be granted upon payment of a fee of five dollars (\$5.00), or through membership. In the latter event to qualify at least ten members of the society applying for affiliation must be members of The Rose Society of Ontario. Affiliated societies are entitled to a silver medal from The Rose Society of Ontario for competition in the Rose sections of their local shows, provided, however, that there are at least three exhibitors in the competition for this medal.

8. The President may appoint a Nominating Committee whose duty it will be to prepare a list of twenty members who, from their interest in the Society, will undertake to act on the Board of Directors, and shall nominate the same at the General Meeting. These names shall be printed on a ballot slip, but such action of a Nominating Committee shall not prevent further alternative names being added by members by nomination at the General Meeting.

By-Laws

(Defining the duties of the officers and Board of Directors.)

1. Special meetings may be called at any time by order of the President, and may be called at the written request of five members, notice of which shall be sent to each member by mail, such notice to specify the business which is the occasion of the call. No business other than that mentioned shall be transacted at such meeting.

2. The hour of meeting shall be eight o'clock p.m., unless otherwise ordered by the President or Chairman.

3. It shall be the duty of the President to preside at all meetings of the Society, to enforce strict observance of the Constitution, Rules and By-Laws of the Society, to appoint all committees not otherwise provided for, to approve all orders drawn on the Treasurer for appropriations of money made and passed at a meeting of the Board of Directors, and to perform such other duties as his official charge may require of him.

4. It shall be the duty of one of the Vice-Presidents in the order of his seniority, to preside at all meetings of the Society in the absence of the President. If none are present the Society shall elect a president pro tempore.

5. It shall be the duty of the Honorary Secretary to keep correct minutes of the proceedings of the Society, to keep a list of all members, of the time and place of all meetings in such manner as may be directed, and advise them of all notices of motion in accordance with the Constitution. He shall receive and pay over to the Treasurer all moneys due and belonging to the Society, receiving receipt therefor, and shall draw and countersign all orders on the Treasurer, approved by the President. It shall be his duty to keep record of all meetings of the Board of Directors and each member's attendance at such meetings, and in his annual report state the number of meetings held and how many each member attended. He shall also preserve all books, papers and other documents belonging to the Society, and upon retiring from office deliver

all such to his successor. He shall perform all other duties usually pertaining to that office, and at the annual meeting render a complete report of the membership and condition of the Society.

6. The Treasurer shall receive from the Honorary Secretary all moneys, giving a receipt therefor, and pay them out only on an authorized order from the Secretary, approved by the Board of Directors, and countersigned by the President or nominee of the Board. He shall keep a proper record of his receipts and disbursements, subject to the inspection of the Society, and shall deliver to his successor all moneys, books and other property belonging to the Society which may be in his possession, and at the annual meeting or when otherwise required, he shall furnish a complete report of his office, producing vouchers for all moneys paid out. He shall furnish such bond for the faithful performance of his duties as the Board shall direct, the cost of same to be paid by the Society.

7. It shall be the duty of the Board of Directors to have full charge of the working interests of the Society; they shall aid the President in the management of the Society between its sessions, and shall report on such matters as may be assigned to them for consideration on a vote of the Society at its meetings.

8. All members of the Society who are in good standing shall be eligible for any office in the Society. The President, Vice-Presidents, Secretary, and Treasurer shall be ex-officio members of all committees.

9. Six Directors shall constitute a quorum for the transaction of business at any authorized meeting of the Board.

10. The member named first on any committee shall act as Chairman until another is chosen by the said committee.

11. Parliamentary usages shall be observed in all debates and discussions.

12. In the election of officers, a ballot shall be taken for the President and the Vice-Presidents, and it shall require a majority of the votes cast to elect each such officer, and when three or more candidates are nominated, the one receiving the lowest number of votes on each ballot shall be dropped from the list, until only two remain, or until one shall have received a majority of the votes cast. In balloting for Directors the twenty candidates receiving the highest number of votes shall be elected and all ballot papers used shall bear the stamp of the Society.

13. No person shall be elected to the office of President of the Society for more than two years in succession, and a period of two successive years shall intervene between any terms of office so held.

14. The President may appoint a Nominating Committee whose duty it will be to prepare a list of twenty members who, from their interest in the Society, will undertake to act on the Board of Directors, and shall nominate the same at the General Meeting. These names shall be printed on a ballot slip, but such action of a Nominating Committee shall not prevent further alternative names being added by members by nomination at the General Meeting.

15. By-Laws may be made, altered or repealed at a meeting called in accordance with the Constitution.

LIFE MEMBERS

Adam, Mrs. G. G.	160 St. George St.
Aikins, Mrs. W. H. B.	134 Bloor St. W.
Ames, Mr. A. E.	Glen Stewart, Kingston Rd.
Beardmore, Miss H. L.	Meadowvale, Ont.
Bertram, Mr. H.	Dundas, Ont.
Board of Park Management	St. Catharines, Ont.
Bristol, Mrs. Edmund	17 Elgin Ave.
Burden, Mrs. C. E.	494 Avenue Road
Burden, Mr. C. E.	494 Avenue Road
Burgoyne, Mrs. W. B.	St. Catharines, Ont.
Burnside, Mrs. J. S.	49 Clarendon Cres.
Christie, Mrs. R. J.	3 Frybrook Drive
Cox, Mr. H. C.	Oakville, Ont.
Dewart, Mrs. H. H.	6 Elmsley Place
Dunbar, Mrs. Geo. E.	27 Glengrove Ave. E.
Eaton, Lady	480 Davenport Road
Eaton, Mrs. Timothy	182 Lowther Ave.
Flavelle, Sir Joseph	Queen's Park
George, Mr. W. K.	71 Highlands Ave.
Gibbons, Mrs. J. J.	120 Roxborough St. E.
Gooch, Mrs. F. H. G.	120 Crescent Road
Gow, Dr. George	19 Chestnut Park Road
Gow, Lt.-Col. Walter	21 Chestnut Park Road
Hamilton, Mrs. L. A.	30 St. Joseph St.
Hanna, Mrs. W. J.	236 N. Brock St., Sarnia, Ont.
Heward, Mrs. Aubrey D.	Oakville, Ont.
Heward, Mr. Aubrey D.	Oakville, Ont.
Holden, Mrs. J. B.	7 Thornwood Road
Holden, Mr. J. B.	7 Thornwood Road
Holmested, Mr. A. W.	45 Dunvegan Road
Howard, Mrs. Lewis	62 Inglewood Drive
Jarvis, Miss Bertha	34 Prince Arthur Ave.
Kennedy, Mrs. J. R.	1673 Kingston Road
Laidlaw, Mr. R. G.	35 Jackes Ave.
Laidlaw, Mr. Walter C.	67 Yonge St.
Lyon, Mrs. Walter H.	85 Isabella Street
Lyon, Mr. Walter H.	85 Isabella Street
Mackendrick, Col. W. G., D.S.O.	Chestnut Point, Oakville
McLaughlin, Mr. R. S.	Parkwood, Oshawa, Ont.
McMichael, Mr. S. B.	44 Dinnick Cres.
Miskelly, Mrs. William M.	469 Broadview Ave.
Miskelly, Mr. William M.	469 Broadview Ave.
Moore, Mrs. W. H.	15 Cluny Ave.
Nerlich, Mr. Henry	78 Chestnut Park Road
Osler, Mrs. F. G.	16 Rosedale Road
Patterson, Mrs. A. B.	11 Bedford Road
Patterson, Mrs. J. D.	Woodstock, Ont.
Rennie, Mr. Thos.	10 N. Sherbourne St.
Rogers, Mrs. Alfred	40 Glen Road
Rolph, Dr. A. H.	160 St. George St.
Rolph, Mr. F. A.	130 Inglewood Dr.
Rose, Col. Hugh A.	Welland, Ont.
Roy, Mr. W. Ormiston	1207 Drummond St., Montreal
Sheppard, Mrs. O. B.	288 Russell Hill Road
Stimson, Mrs. Bryce	360 Walmer Road

Temple, Mrs. Chas. A.	206 Heath St. West
Thomson, Mrs. J. B.	151 Rusholme Rd.
Tilley, Mrs. W. N.	488 Avenue Road
Venables, Mr. F. G.	Riverview Drive
Warren, Mrs. H. D.	95 Wellesley St.
Williams, Mrs. H. H.	565 Avenue Road
Wilson, Mr. J. Lockie	582 Huron St.
Wright, Mrs. Hedley	Shortlands, Kent, England

HONORARY LIFE MEMBERS

Brush, Mr. Seely B.	32 Lowther Ave.
Gibbons, Mr. J. J.	120 Roxborough St. E.
Macoomb, Mr. Albert	104 Bond St.

SUSTAINING MEMBERS

Blundell, Mrs. Arthur	R.R. No. 3, St. Catharines, Ont.
Borgstrom, Mr. Carl A.	132 Heath St. E.
Brush, Mr. Seely B.	32 Lowther Ave.
Burgoyne, Major H. B.	St. Catharines, Ont.
Case, Mrs. Allen	34 Warren Road
Christie, Dr. G. I.	Ontario Agriculture College, Guelph
Clark, Mrs. L. H.	6 Clarendon Crescent
Clark, Mrs. T. J.	68 Walmer Road
Digby, Mr. J.	19 McMurray Ave.
Dilworth, Mr. R. J.	15 Wellington St. W.
Dunington-Grubb, Mrs. L. A.	15 Astley St.
Godfrey, Mrs. J. M.	72 Lowther Ave.
Grover, Mrs. G. A.	680 Huron St.
Harcourt, Mrs. F. W.	179 Poplar Plains Road
Hayes, Mr. F. Barry	"Donnybrook," Snowden Ave.
Hendrie, Mrs. Wm.	"Holmstead," Hamilton, Ont.
James, Mr. F. T.	Lambton Mills, Ont.
Johnson, Mr. David	429 Palmerston Blvd.
Laidlaw, Miss Margaret	32 Sherbourne St. North
Lewis, Mr. Ivor	15 Glencairn Ave.
Macdonald, Mrs. W. Campbell	169 St. George St.
Mitchell, Mr. P. H.	53 King St., W.
Moore, Mrs. Napier	74 Colin Ave.
Peacock, Mrs. E. R.	71 Crescent Road
Reaves, Mrs. Campbell	165 St. George St.
Reaves, Mr. Campbell	165 St. George St.
Rogers, Mrs. A. S.	103 Poplar Plains Road
Sampson, Mr. J. E.	72 St. Leonard's Ave.
Smith, Messrs. E. D. & Sons, Limited	Winona, Ont.
Statten, Mr. Taylor	428 Russell Hill Road
Thomson, Mrs. P. A.	3219 The Boulevard, Westmount, Que.
Tory, Mr. John A.	17 Elm Avenue
VanEvery, Mrs. W. S.	St. Catharines, Ont.
VanEvery, Mr. W. S.	St. Catharines, Ont.
Waters, Mrs. Percy	445 Danforth Ave.
Watt, Mr. E. H.	R.R. No. 1, Eglinton, Ont.
Wills, Mrs. Hamilton B.	Shadow Brook, Willowdale, Ont.
Wood, Mr. E. R.	26 King St. E.

AFFILIATED SOCIETIES

Edmonton Horticultural and Vacant Lots Garden Assoc.....	Edmonton, Alta.
Eglinton District Horticultural Association.....	Toronto, Ont.
Etobicoke Horticultural Society.....	Islington, Ont.
Ford City Horticultural Society.....	Ford City, Ont.
Guelph Horticultural Society.....	Guelph, Ont.
Halifax, Floral Association.....	Halifax, N.S.
High Park Horticultural Society.....	Toronto, Ont.
Kitchener Horticultural Society.....	Kitchener, Ont.
Mimico Horticultural Society.....	Mimico, Ont.
Ottawa Horticultural Society.....	Ottawa, Ont.
Paris Horticultural Society.....	Paris, Ont.
Parkhill Horticultural Society.....	Parkhill, Ont.
Roselands Horticultural Society.....	Roselands, Ont.
Sandwich Horticultural Society.....	Sandwich, Ont.
St. Catharines Horticultural Society.....	St. Catharines, Ont.
St. Clair District Horticultural Society.....	Toronto, Ont.
Vancouver Horticultural Society.....	Vancouver, B.C.
Waterloo Horticultural Society.....	Waterloo, Ont.
Welland Horticultural Society.....	Welland, Ont.

ORDINARY MEMBERS

Abbs, Mrs. F.....	31 Anderson Ave.
Adair, Mrs. J.....	43 Garnock Ave.
Adam, Mr. G. G.....	160 St. George St.
Adams, Mr. F. P.....	264 Erie Ave., Brantford, Ont.
Adams, Mr. Roy N.....	161 Colin Ave.
Adams, Mr. W. M.....	Box 62, Belleville, Ont.
Adamson, Mrs. Agar.....	The Grove Farm, Port Credit, Ont.
Adamson, Mr. J. A.....	Islington, Ont.
Addison, Rev. Dr. A. P.....	194 Westminster Ave.
Aga, Mr. Dinsha M.....	Rose Cottage, Deolali, via Bombay, India.
Albright Mr. J. G.....	121 Ellsworth Ave.
Alderton, Mr. F. H.....	19½ Osborne Ave.
Allanson, Mr. H. E.....	144 Evelyn Cres.
Allan, Mr. R. J.....	16 Balsam Ave. Hamilton, Ont.
Allen, Mrs. Bernard.....	15 Wychwood Park
Allen, Mr. Geo.....	41 Wilton Ave., Welland, Ont.
Allen, Mrs. James.....	22 Dalton Road
Allison, Dr.....	West Main St., Welland, Ont.
Allworth, Mr. W. H.....	584 Lansdowne Ave., Westmount, Que.
Alves, Mrs. Wm. H.....	9 Blythwood Gardens
Ambrose Mr. H. S.....	126 Aberdeen Ave., Hamilton, Ont.
Anderson, Mr. A. S.....	15 Chambers Ave.
Anderson, Miss H.....	Box 49, Fruitland P.O., Ont.
Anderson, Miss Mary.....	63 Prince Arthur Ave.
Anderson Miss Rose.....	185 Walmer Road
Anderson, Mrs. T. J.....	65 Woodbine Ave.
Anderson, Mr. W. H.....	Barriefield, Ont.
Andrews, Mr. Alfred.....	91 Poplar St., Chatham, Ont.
Angle Mr. Paul E.....	c-o Bedford Park Floral Co., Richmond Hill, Ont.
Anguish, Mr. Geo. A.....	68 Macaulay St. W., Hamilton, Ont.
Anguish, Mr. John.....	44 Lyndwood Ave., Simcoe, Ont.
Angus Mrs. H. H.....	34 Farnham Ave.
Archambault, Mr. L. R.....	10 St. James St., Montreal, Que.

Archbold, Mr. E.	656 Annette St.
Archer, Mrs. J. P.	Campbellford, Ont.
Armstrong, Mrs. A.	72 Douglas Drive
Armstrong, Dr. H. G.	45 Strathearn Road
Ashbridge Miss S.	Scarboro Bluffs P.O., Ont.
Atkins, Mr. A. J. V.	5 East Drive, Roselands, Toronto 9
Atkins, Mr. Chas.	45 Glebeholme Blvd.
Aylesworth, Mr. V.	c-o Dominion Sugar Co., Chatham, Ont.
Babb, Dr. W. F.	235 Queen's Ave., London, Ont.
Bailey, Mrs. T. B.	14 Highland Ave.
Bailey, Mr. W. P.	Fort William, Ont.
Baillie, Mrs. F. J.	95 Keewatin Ave.
Baker, Mrs. A.	43 Knox Ave.
Baker, Mr. G. O.	Wayside Gardens, Port Stanley, Ont.
Baker, Mrs. Geo. A.	44 Jackes Ave.
Baldwin Mrs. S.	33 Manor Road East
Bales, Mr. J. N.	204 Notre Dame St. W., Montreal, Que.
Balfour, Dr. G. E.	287 Durie St.
Bambridge Mrs. A.	83 Linsmore Cres.
Banks, Mrs. W. R.	9 Brooklyn Ave.
Bannister, Mr. W. D.	22 Dewson St.
Barber, Mrs. H. C.	100 Wychwood Park
Barbour, Mrs. D.	561 Clinton St.
Barker, Mrs. H. W.	92 Fallingbrook Road
Barr, Mrs. W. J.	99 Walmer Road
Barratt, Mrs. S. A.	33 Bertmount Ave.
Barraud, Mrs. L.	84 Roxboro St. W.
Bartley, Mrs. J.	74 Ardagh St.
Bathgate, Mr. J. A.	Willowdale, Ont.
Beacher, Mr. S. H.	5875 Notre Dame de Grace Ave., Montreal, Que.
Beairsto Mr. A. H. C.	15 Oriole Parkway
Beamish, Mr. W. J.	Hanover, Ont.
Beardmore, Mr. Geo. W.	136 Beverley St.
Beare Mr. J. G.	108 Eastbourne Ave.
Beatty, Mrs. E. P.	69 Lowther Ave.
Beatty, Mrs. M. J.	Fergus, Ont.
Beatty Miss M. H.	122 Dunvegan Road
Becket Miss A. M.	16 Alexandra Blvd.
Beckley Mr. F.	71 Ottawa St., Walkerville, Ont.
Bell, Mr. Fred A.	2 Prince Albert St., St. Thomas
Bell, Mr. J. E.	Box 94, Milton, Ont.
Bell Miss M.	Pembroke, Ont.
Belsey, Mrs.	39 Pendean Ave.
Bennett, Mr. E. J.	1532 Bank of Hamilton Bldg.
Bennett, Miss Ole.	Mille Roches, Ont.
Bentley, Mr. Geo.	62 Wayland Ave.
Berry Mr. R. M.	21½ Victoria Park Ave.
Bertram, Mr. H. G.	Cross St., Dundas, Ont.
Best, Miss Helen	Strathroy, Ont.
Bethune, Miss E. S.	99 Roxboro St. W.
Bickerstaff, Mr. W. M.	199 Willow Ave.
Bickford, Mrs. Ethel	"Rosedale," Fenelon Falls, Ont.
Biddlecombe, Mr. S. C.	407 Bartlett Ave.
Bigwood Mr. L. S.	97 Montrave Ave., Oshawa, Ont.
Bird Miss Isabel E.	80 Wellington St., Barrie, Ont.

Biscoe Major J. R.	Thorold, Ont.
Bishop, Mr. A. C.	Young St., Elmvale, Ont.
Black Major J.	629 Lansdowne Ave.
Blackburn, Mrs. Leonard L.	8 Austin Cres.
Blacklock Miss M. E.	Meadowvale, Ont.
Blake, Mr. Geo.	243 Waverley Road
Blanchard, Mr. E. S.	23 Water St., Charlottetown, P.E.I.
Bluhm, Mr. W. E.	88 Kathleen St., Guelph, Ont.
Boddington Dr. D. H.	333 Bloor St. West
Boggs, Miss A.	122 Dunvegan Road
Bole, Mrs. W. W.	3 Castle Frank Drive
Booth, Mrs. Blake L.	85 Aqueduct St., Welland, Ont.
Borsbery, Mr. J. W.	410 King St. E., Oshawa, Ont.
Bottrell, Miss E. H.	186 Jameson Ave.
Bouchley, Mr. A. L.	314 Golf St., Oshawa, Ont.
Bourne, Mrs. G.	69 Ottawa St., Walkerville, Ont.
Bow, Mrs. Wm.	367 Lauder Ave.
Bowden, Mrs. J. W.	69 Pleasant Blvd.
Bowen, Mr. John	Cummer Ave., Newtonbrook, Ont.
Bowen Mr. R. C.	652 Bronson Ave., Ottawa, Ont.
Bowles, Dr. Geo. H.	476 Dovercourt Road
Bowles, Mrs. Geo. H.	476 Dovercourt Road
Bowman, Mr. John	116 Loughton Ave.
Boyd, Mr. E. W.	67 Warren Rd.
Bradden, Mr. W. T.	11137, 81st Ave., Edmonton, Alta.
Bradley, Mr. Charles T.	Port Colborne, Ont.
Bradley, Mrs. Norman	178 Alexander Blvd.
Brady, Mr. Elmer	116 Windsor Ave., London, Ont.
Brady, Mr. L. R.	149 Erie Ave., Brantford, Ont.
Brasford, Mr. Edward	169 Main St. West, Welland, Ont.
Brayley, Mr. J. E.	Port Credit, Ont.
Brennan, Mr. A. J. J.	54 Merritt St. West, Welland, Ont.
Brennan, Mrs. A. J. J.	54 Merritt St. West, Welland, Ont.
Brett, Mr. F. C.	12 Hogarth Ave.
Briggs, Mr. D. R.	171 Dromore Cres., Hamilton, Ont.
Brigham, Mr. W. H.	118 4th St. E., Owen Sound, Ont.
Brimacombe, Mr. W. H.	Box 187, Bowmanville, Ont.
Brimacombe, Mrs. J. H.	Box 187, Bowmanville, Ont.
Brittain, Mr. W. E.	Box 254, Palmerston, Ont.
Brock, Miss M. G.	42 Prince Arthur Ave.
Broom Mr. Herbert	41 Glendora Ave., Lansing P.O.
Brontin, Mrs. E.	30 Harwood Road
Brown Mr. Arthur M.	5 McMaster Ave.
Brown, Mrs. David.	35 Parkwood Ave.
Brown, Mrs. M. A.	83 Badgerow Ave.
Brown, Mrs. R. C.	65 Clarendon Ave.
Brown, Mrs. W.	3 Ronan Ave.
Browne, Miss Annie J.	Scarboro, Ont.
Bruce, Mr. Chas.	185 Essex St.
Brush, Miss Olive	32 Lowther Ave.
Brush, Mr. S. B., Jr.	Box 57, Ridgeville, Ont.
Bryson, Mrs. A. E.	44 Silverthorne Ave.
Buchan, Miss H.	682-2nd Ave., Owen Sound, Ont.
Buck, Prof. F. E.	University of B.C., Vancouver
Buck, Mr. F.	36 Pendean Ave.

Bucke, Mr. William A.	30 Walmer Road
Buckingham, Mr. W. E.	Douglas St., Guelph, Ont.
Buffam, Mrs. F. V.	Thom St., Perth, Ont.
Bullas Mr. E.	10 Rambert Ave.
Burgar Miss Donna G.	202 N. Main St., Welland, Ont.
Burk, Mr. E. C.	24 Highview Cres.
Burke, Mrs. Charlotte K.	1525 Edison Ave., Detroit, Mich.
Burke, Mr. J. G.	105 Douglas Ave., St. John, N.B.
Burley, Mr. R. W.	42 Jeavons Ave., Birchcliffe Heights, Ont.
Burley, Mrs. R. W.	42 Jeavons Ave., Birchcliffe Heights, Ont.
Burnett, Mr. W. J.	Shannonville, Ont.
Burns, Miss Anna.	Smith's Cove, N.S.
Burns, Miss E.	66 Summerhill Ave.
Burns, Mrs. J. E.	231 Seaton St.
Burt, Mrs. Chas.	Box 31, Fort Erie West, Ont.
Buschlen, Mr. W. R.	153 Russell Ave., St. Catharines, Ont.
Bush, Mr. H. J.	60 Helena Ave.
Bushell, Mr. W. S.	75 Leuty Ave.
Butler, Mr. C.	148 Lincoln Road, Walkerville, Ont.
Butt, Mr. Leonard.	367 Bartlett Ave.
Butterell, Mr. H. R.	310 Keele St.
Byers, Miss M.	City Hall, Ottawa, Ont.
Calderwood, Mrs. Hugh.	23 Dundonald St., Barrie, Ont.
Caldwell, Mr. A. C.	Dundas, Ont.
Calvert, Mr. C. E.	34 Huntley St.
Cameron, Mrs. C.	16 Wiley St., St. Catharines, Ont.
Cameron, Mr. I. D.	St. Thomas, Ont.
Cameron, Mrs. I. H.	291 Sherbourne St.
Campbell, Mr. Alex.	Bowmanville, Ont.
Campbell, Mr. Herbert.	Box 262, Wingham, Ont.
Campbell, Mrs. H. G.	196 Clemow Ave., Ottawa, Ont.
Campbell, Mrs. L.	21 Poplar Plains Road
Campbell, Mr. P.	21 Poplar Plains Road
Campbell, Mrs. R. J.	74 Poplar Plains Cres.
Campbell, Mrs. W. R.	Huron St., Walkerville, Ont.
Canadian Horticultural Council	Ottawa, Ont.
Cardwell Mr. E.	86 Burgar St., Welland, Ont.
Carley, Mr. D. L.	44 Chestnut Park Road
Carling Mr. Isaac R.	Exeter, Ont.
Carr, Mr. Geo. E.	Boys' Training School, Bowmanville, Ont.
Carr, Miss H.	57 Walmsley Blvd.
Carrick, Mr. C.	415 Willard Ave.
Carruthers, Miss Hilda.	R.R. 1, Whitby, Ont.
Carruthers, Mrs. W. H.	Bowmanville, Ont.
Carswell, Mrs. F. G.	212 King St. E., Oshawa
Carswell, Miss.	6 Biggar Ave.
Carter, Mrs. W. F.	213 Rosedale Heights Drive
Carthew, Mr. E. H.	227 King St. S., Waterloo, Ont.
Cartwright, Mrs. G. S.	397 Russell Hill Road
Cascadden, Mrs. D. J.	51 Chester Ave.
Castle Miss M. S.	Meadowvale, Ont.
Cattanach, Mr. E. C.	68 Prince Arthur Ave.
Catto, Mr. John M.	53 Highland Cres., York Mills, Ont.
Central Experimental Farm	Ottawa, Ont.
Chadwick Mr. Bryan.	107 Howland Ave.

Chalmers, Mr. E. M.	405 St. Clements Ave.
Chambers, Mr. C. E.	67 Lake Shore Blvd.
Chambers Mr. F. H.	172 Glenholme Ave.
Chase, Miss Anna	199 Avenue Road
Chater, Mr. H. J.	82 Chaplin Cres.
Cheetham Mr. P. H.	122 Kirknewton Rd., Fairbank, Ont.
Chipman Mrs. Willis	103 Spadina Road
Chisholm, Mrs. John A.	Oakville, Ont.
Christilaw, Mrs. H. B.	Blind River, Ont.
Clark, Mrs.	51 Humber Blvd., Mount Dennis, Ont.
Clark, Mrs. A. D.	Apt. 305, 200 St. Clair Ave. W.
Clark, Mr. Geo. M.	226 St. George St.
Clark, Mr. O. R.	93 King St. E.
Clarke, Miss Anne	8 Kintyre Ave.
Clarke, Miss Betty	8 Kintyre Ave.
Clarke, Mr. C. R.	31 Willow Ave.
Clarke, Miss E. Winifred	121 Howard Park Ave.
Clarke, Mr. J.	Islington, Ont.
Clarke, Mr. J. J.	213 McVicar St., Port Arthur, Ont.
Clarke, Miss Jessie L.	121 Howard Park Ave.
Clarke, Mr. Wm. J.	276 Waverley Road
Clarke Rev. W. H.	Shannonville, Ont.
Clayton, Mrs. A. B.	60 Laing St.
Clayton, Mr. John O.	34 Muriel Ave.
Clemens Mr. Edward	R.R. 5, Fenwick, Ont.
Clements, Miss Bertha G.	45 Richmond St. W.
Cluff, Mr. A. F.	Seaforth, Ont.
Coady, Mrs. E. I.	94 Kendal Ave.
Cobley, Mr. E. H.	7 Phelps St., St. Catharines
Cohoe, Mrs. J. E.	59 Burgar St., Welland, Ont.
Cole, Mr. Grant E.	128 Grenadier Road
Cole, Mr. W. J.	240 Rushton Road
Colbeck Dr. W. K.	23 Division St., Welland, Ont.
Coleman, Mr. D. B.	Welland, Ont.
Coleman, Miss H.	476 Huron St.
Collart, Mr. Geo.	Waterloo Park, Waterloo, Ont.
Collinge, Mrs. R.	96 Queen's Drive, Weston, Ont.
Collins, Mr. E. F.	84 Springhurst Ave.
Collins Mr. Fred	Chatham, Ont.
Colombo Mr. J. L.	46 Shanley St., Kitchener, Ont.
Conant, Mrs. G. D.	Oshawa, Ont.
Cook Mr. Charles	General Delivery, Sandwich, Ont.
Cooper, Mrs. Duncan	68 Rowanwood Ave.
Cooper, Mr. H. G.	34 Cortland Ave.
Corbett, Mr. W.	32 Leuty Ave.
Cork, Miss Helen	5 Garnock Ave.
Cornell, Mr. J. G.	Scarboro, Ont.
Cosburn, Mrs. Wm.	182 Silverbirch Ave.
Cottrell, Mrs. Jno.	11 Heyworth Cres.
Coulson, Mr. Charles L.	Welland, Ont.
Cowan, Mr. Chas.	Newcastle, Ont.
Cowper, Mr. A. K.	199 Division St., Welland, Ont.
Cox, Mrs. Alfred W.	Box 295, Paris, Ont.
Coxhead, Mr. C.	58 Stanley Ave., Mimico
Craig, Mrs. L.	10 Kingston Road

LIST OF MEMBERS

81

Cranston, Rev. R. A.	29 Bald St., Welland, Ont.
Crane, Mr. R. H.	289 Salem Ave.
Crawford, Mrs. G.	5 Bank St.
Crawford Mr. R. F.	356 Kingswood Road
Creber, Mr. George H.	208 Kingston Road
Creswick, Rev. Walter	166 Howland Ave.
Cridland Mrs. A. D.	9 Grenadier Heights, Swansea, Toronto
Crocker, Mr. E. S.	23 Heath St. West
Crocker, Mr. J. Howard	University of Western Ontario, London, Ont.
Cromie, Mr. Robert	Vancouver Sun, Vancouver, B.C.
Cronkhite, Mrs. W. D.	437 Concord Ave.
Cronyn, Mr. Hume	580 Dundas St., London, Ont.
Crow Mr. J. W.	Simcoe, Ont.
Crowther, Mr. G. D.	280 Bloor St. West
Crowther Mr. James E.	33 Condor Ave.
Crowther, Mrs.	706 Balliol St.
Cruickshank, Mrs. C. W.	365 Glengrove Ave. W.
Cruickshank, Mr. C. W.	365 Glengrove Ave. W.
Cruickshank, Dr. F. D.	Weston, Ont.
Crumpton, Mr. A.	Box 624, Weston, Ont.
Cudmore, Mrs. R. C.	1585 Dufferin St.
Cudmore, Mr. R. C.	1585 Dufferin St.
Curry, Mrs. A. L.	32 Division St.
Cushine Mr. James	43 Empire Ave.
Dafoe Mr. Gerald	8 Oakvale Ave.
Daly, Mr. J.	123 Kenwood Ave.
Daniel, Mrs. J. W.	27 Elgin Ave.
Darby, Mr. E. H.	373 North Main St., Welland, Ont.
Darling, Miss Estelle	Almonte, Ont.
Dauids, Mr. R.	10 Walmsley Blvd.
Davidson, Mr. Price	Niagara Falls, Ont.
Davies, Mrs. Dalton	433 Russell Hill Road
Davies, Miss D. E.	141 Sherbourne St.
Davies Mr. Felix	27 Dundurn Cres.
Davies, Mr. James A.	127 Brookdale Ave.
Davies, Mrs. R. W.	129 Glenforest Rd.
Davies, Mr. R. W.	129 Glenforest Road
Davies, Dr. T. A.	153 Dunvegan Rd.
Davies, Mr. W. Rupert	138 Albert St., Kingston, Ont.
Davis, Mr. Arthur M.	51 Milton St., Stratford, Ont.
Davis Mr. M. R.	21 King St. W., Kingston, Ont.
Davis, Mrs. O. H.	111 Lyndhurst Ave.
Dawdy, Mr. Frank	19 Marjorie Rd., Welland, Ont.
Daxon, Mr. James.	594 Lauder Ave.
Daykin, Mr. E. Brooke	12 St. Leonard's Crescent
Deacon, Mrs. F. H.	2 Elm Ave.
Deacon, Col. F. H.	2 Elm Ave.
Deacon, Mr. W. B.	220 William St., Belleville, Ont.
Dean, Mrs. M. E.	561 Avenue Road
DeLong, Mr. O. H.	Southampton, Ont.
Dempster, Miss G.	38 Grove Ave.
Dempster, Mrs. T.	230 Glenholme Ave.
Dew, Mr. Chas. T.	R.R. No. 1, Eglinton, Ont.
Dick, Mr. C. S.	49 Dunedin St., Orillia, Ont.
Dickinson, Mr. H.	49 George St., St. Catharines, Ont.

Dignam, Mr. H. M.	403 Glencairn Ave.
Dillane Mrs. M. K.	Schomberg, Ont.
Dingman Mr. R. G.	c-o Fraser, Dingman & Co., 217 Bay St.
Dixon, Mrs. R. W.	31 Sanford Ave.
Dixon Mr. R. W.	31 Sanford Ave.
Dods, Mrs. J. M.	Alton, Ont.
Dobbin, Mr. M. L.	18 St. Hildas Ave.
Dolson, Mrs. J. M.	Broadview Farms, Brampton 2, Ont.
Doolittle, Mr. Gordon W.	Islington, Ont.
Doolittle, Mrs. Gordon W.	Islington, Ont.
Doret, Mrs. A. M.	117 Deloraine Ave.
Doret, Mr. A. M.	117 Deloraine Ave.
Douglas, Mr. J. S.	17 Parkwood Road
Douglas Mr. Robt. J.	377 Manor Rd. E., Toronto
Douglas, Mr. Wm. M.	64 South Drive
Dowler, Mr. J.	2 Margaret St., St. Thomas, Ont.
Downey, Mrs. A. H.	Long Branch, Ont.
Driver, Mr. E. T.	126 Clifton Road
Dudley Mrs. L. W.	Whitby, Ont.
Duggan, Mr. T. W.	Brampton, Ont.
Duncan, Mr. E. J. B.	164 Glencairn Ave.
Duncan, Mrs. J.	Church St., Richmond Hill, Ont.
Duncan Mrs. M.	10 Gwynne Avenue
Dunham, Mrs. Mellor	43 Norway Ave.
Dunham, Mr. Mellor	43 Norway Ave.
Dunlap, Mrs. D. A.	93 Highlands Ave.
Dunlop, Mr. Frank W.	14 Adelaide St., W.
Dunn, Mrs. C. E.	Box 11, Paris, Ont.
Durrant, Mr. W.	Box 380, Oakville, Ont.
Duthie Mr.	383 Davisville Ave.
Dwyer, Rev. Father P. M.	182 Aqueduct St., Welland, Ont.
Dyer, Miss Dorothy	726 Dovercourt Road
Dyer, Mrs. G. H.	726 Dovercourt Road
Dykes, Mr. Phillip	86 Wilcocks St.
Dyson, Mr. Hubert H.	30 Oakland Ave., Welland, Ont.
Dyson Mr. Vincent S.	229 Maple Ave., Welland, Ont.
Eakins, Miss Margaret I.	Yarmouth, N.S.
Eccles, Mrs. H.	71 Hillcrest Drive
Eccles, Mr. Wm.	90 McGill St.
Ede, Mr. Arthur G.	376 Drew St., Woodstock, Ont.
Edgar, Mrs. Wm.	Port Hope, Ont.
Edward, Mr. H. J.	293 Strathmore Blvd.
Edwards, Mr. K.	51 Columbine Ave.
Egles Mrs. E.	Salisbury Ave., Humber Bay, Ont.
Elliot, Miss J.	Annesley Hall, Queen's Park
Elliot, Mrs. J.	69 Bloor St. East
Elliott, Mrs. W. J.	57 Walmer Road
Ellis, Mr. C. W.	Goderich, Ont.
Ellis, Mr. H. T. W.	3 California Ave., Sandwich, Ont.
Elton, Miss Kathleen M.	Box 31, Cowley, Alta.
Evans, Mr. Fred W.	276 St. James St., Montreal, Que.
Evans Mr. W. G.	282 Scarboro Road
Evel, Mr. J. J.	51 Stanley Ave., Hamilton, Ont.
Eward, Mrs. W. R.	22 Fulton Ave.

Fairty, Mrs. T. S.	134 Keewatin Ave.
Falconbridge, Miss D.	Burwash Hall, 89 Charles St. W.
Falls, Mrs. Harvey S.	"Wendover," Simcoe, Ont.
Fanton, Mr. Fred. W.	670 Milverton Blvd.
Farr, Mr. James.	216 Ashdale Ave.
Farrell, Mr. R. J.	48 Craig St., Ottawa
Farrington, Mr. E.	67 Symon St., Mimico
Fegan, Mr. Chas. R.	Fenwick, Ont.
Fennell, Mr. Robt.	1606 Bathurst St.
Fenton, Dr. W. K.	Islington, Ont.
Ferguson, Mr. T. A.	213 Albany Ave.
Fice, Mr. C. E.	52 Lascelles Blvd.
Fick, Mrs. V.	78 Orchard Ave., Simcoe, Ont.
Field, Mr. Burton E.	36 Highfield Road
Finch, Mr. W. J.	86 Grandville Ave.
Finucan, Miss A.	220 Jones Ave.
Finucan, Mrs. M.	218 Jones Ave.
Fischer, Mrs. C.	11 Willow St., Waterloo, Ont.
Fisher, Mr. Geo.	123 Woodfield Road
Fisher, Mrs. F. C.	Box 62, Petrolia, Ont.
Fisken, Mrs. J. Kerr	60 Madison Ave.
Fitch, Mr. C. A.	70 Howland Ave.
Fitzpatrick, Mr. H.	63 Day Ave.
Flack, Mr. E. J.	245 Boon Ave.
Fleck, Mrs. A. W.	500 Wilbrod St., Ottawa, Ont.
Fleming, Mrs. A. L.	63 Rosedale Heights Drive
Fleming, Mr. C. E.	St. George St., Fergus, Ont.
Fleming, Mr. R. R.	71 Queen St. West, Welland, Ont.
Fleming, Mr. Wm. G.	154 Sydenham St., London
Fletcher, Mr. A. Herbert	The Rosery, Bowmanville, Ont.
Flett, Mr. Frank	195 Sherman Ave. S., Hamilton, Ont.
Flint, Mr. E. B.	195 Maitland St., London, Ont.
Flummerfelt, Mr. Thos.	Thorold, Ont.
Foerster, Mr. E. L.	31 Cedar St. E., Waterloo, Ont.
Foley, Rev. H. W.	Selby, Ont.
Forbes, Dr. A. W.	123 Lakeshore Blvd.
Forbes, Mr. Charles	150 Rusholme Road
Forbes, Mrs. Geo. D.	Hespeler, Ont.
Forsyth, Mrs. Elizabeth	2078 Hamilton St., Regina, Sask.
Fortner, Miss G. Maud	24 Bugar St., Welland, Ont.
Fortner, Miss Theo.	24 Bugar St., Welland, Ont.
Fowler, Mr. P.	2 Highcroft Road
Fowle, Miss J.	639 Windermere Ave.
Foxton, Mr. Robt.	75 Hiawatha Rd.
Fraleigh, Dr. A. E.	St. Mary's, Ont.
Francis, Mrs. Lucy,	338 Roslyn Ave., Westmount, P.Q.
Franz, Mrs. W. C.	255 Penn Hill, Sault Ste. Marie, Ont.
Fraser, Mrs. W. Kaspar	482 Russell Hill Road
Freedman, Mr. J. H.	P.O. Box 140, Brantford, Ont.
Freeman, Mr. J. V.	115 Burke St., Oshawa, Ont.
Frost, Mr. S. A.	284 College St.
Fuller, Mr. F. J.	Box 753, Prince Rupert, B.C.
Gammon, Mr. Benj.	Bathurst, N.B.
Gammon, Mr. W. M.	O.A.C., Guelph, Ont.
Gamwell, Mr. R. G.	1001 16th St., Bellingham, Wash., U.S.A.

Gardiner, Miss A.	177 Russell Ave., St. Catharines
Gardner, Miss S.	219 Spadina Rp.
Garnett, Mr. T.	Port Hope, Ont.
Gausby, Dr. E. L.	259 Glencairn Ave.
Gauthier, Mr. J. G.	184 Ranleigh Ave.
Gayman, Mr. H. M.	Queenston St., St. Catharines
Geddes, Mr. Wm., Sr.	2 Margaret St., Guelph, Ont.
Gennings, Mr. Geo.	Plank Road, Welland, Ont.
German, Mr. C. E.	521 Colborne St., London, Ont
Ghent, Mrs. Percy P.	425 St. Clair Ave. E.
Gibson, Mrs. A.	86 Cheritan Ave.
Gibson, Mrs. C. J.	55 Highlands Ave.
Gibson, Mrs. M.	142 Albertus Ave.
Gifford, Miss E.	36 Linsmore Cres.
Gillies, Mr. D. B.	41 Dinnick Crescent
Gillies, Miss Mary G.	262 Benson Ave.
Gilmore, Mr. W.	1034 Ossington Ave.
Gilmour, Mrs. Thomas.	171 St. George St.
Gilson, Mrs. J.	387 Keewatin Ave.
Giroux, Mr. John C.	1 Langley Ave.
Gledhill, Mrs. Geo. H.	Box 54, Fort Francis, Ont.
Godden, Mr. W.	257 Evelyn Ave.
Goldie, Miss N. C.	158 Blythwood Road
Good, Mr. J. A.	33 King St. W., Kitchener, Ont.
Goodman, Mr. W. G.	434 North Main St., Welland, Ont.
Goodwin, Mr. John	75 Shotwell St., Welland, Ont.
Goold, Mr. P. K.	167 Roxborough St. W.
Gordon, Mr. E. S.	21 Kingswood Road
Goring, Mrs. F. A.	25 Henrietta St., St. Catharines, Ont.
Govier, Mr. C. T.	Port Colborne, Ont.
Gow, Mr. A. Alan	629 Windermere Ave.
Gow, Mrs. A. Alan	629 Windermere Ave.
Gowans, Miss Grace A.	111 Woodlawn Ave. W.
Gowland, Mr. Wm. C.	140 Evelyn Crescent
Grafton, Miss E. M.	Dundas, Ont.
Graham, Mr. F. A.	Orillia, Ont.
Graham, Dr. Roscoe R.	1015 Medical Arts Bldg.
Graham, Prof. R. R.	O.A.C., Guelph, Ont.
Grainger, Mr. E.	1360 Yonge St.
Grant, Mr. R. F.	561 Dovercourt Road
Gray, Mrs. A. W.	72 Robert St., Mimico
Gray, Dr. Henry	238 Keele St.
Gray, Mr. Henry	421 13th St. W., Owen Sound, Ont.
Gray, Mr. Robert S.	124 Delaware Ave.
Gray, Mrs. W. T.	High St., Port Credit, Ont.
Gray, Mr. W. T.	High St., Port Credit, Ont.
Graz, Mrs. G. R.	Sault Ste. Marie, Ont.
Green, Mrs. F. L.	Greenwood, Ont.
Green, Mr. F. L.	Greenwood, Ont.
Green, Mrs. W. E.	11 Baby Point Road
Greene, Mrs. A. W. E.	Islington, Ont.
Greer, Mrs. John	129 Strathallan Blvd.
Greer, Mr. Robt.	88 Bellefair Ave.
Greig, Mrs. K.	19 Delavan Ave., Forest Hill, Ont.
Grier, Mr. A. Monro	Athelma Apts., Grosvenor St.

LIST OF MEMBERS

85

Grimshaw, Mr. J.....	49-3rd St., New Toronto
Grimshaw, Mr. J. R.....	155 College St.
Grose, Mr. Earl M.....	9 Evelyn Crescent
Gross, Mr. M. C.....	15 Ellen St. W., Kitchener, Ont.
Grover, Mr. J. I.....	55 York St.
Guest, Mr. A. E.....	60 Courcellette Road
Gulcke, Mr. John.....	Hudson, Que.
Guymer, Mr. S. S.....	44 Hiawatha Road, Toronto
Hackney, Mr. Robert.....	11 John St. W., Waterloo, Ont.
Hadkinson, Mrs. E.....	161½ Woodville Ave.
Hagerman, Mrs. F. L.....	930 Jane St.
Hague, Mr. Thos.....	Smith's Falls, Ont.
Hainsworth, Mrs. G.....	8 Chesley Ave.
Hall, Mrs. E. C.....	34 Melrose Ave.
Hall, Mr. J. S.....	403 Soudan Ave.
Hallman, Miss G.....	70 Cheritan Ave.
Hallman, Mr. M. S.....	41 Allen St. E., Waterloo, Ont.
Hamilton, Mr. C. B.....	43 Madison Ave.
Hamilton, Mrs. M. J.....	12 Playter Cres.
Hampson, Mr. Thomas J.....	162 Kensington Ave. S., Hamilton, Ont.
Hancock, Mr. M. L.....	Port Credit, Ont.
Harcourt, Miss E.....	179 Poplar Plains Road
Harcourt, Mr. R. M.....	65 Beulah Ave.
Hardy, Mrs. E. A.....	124 Duplex Ave.
Hargraff, Mr. L. G.....	9 Dinnick Cres.
Harkness, Mr. A. H.....	185 Glencairn Ave.
Harris, Miss F. R.....	75 Balfour Ave.
Harris, Mrs. James.....	646 Broadview Ave.
Harris, Miss Rose B.....	Box 117, Thornhill, Ont.
Harris, Mrs. T. E.....	Scarlett Road, Weston, Ont.
Harris, Mr. Wm.....	Rockwood, Ont.
Hartry, Mr. Wm.....	Seaforth, Ont.
Harvey, Mr. J. F.....	18 Wright Ave.
Haslam, Mr. W. A.....	110 Sunset Ave., Sandwich, Ont.
Haslett, Mr. A. J.....	260 Arlington Ave.
Haslett, Miss Jean E.....	264 Park St. S., Hamilton, Ont.
Hately, Mr. C. S.....	Box 493, Milton, Ont.
Hatton, Mrs. R.....	447 Ontario St.
Hawthorne, Mr. H. S.....	4136 Wilson Ave., Montreal, Que.
Hay, Mrs. Edward.....	43 Castle Frank Road
Hay, Miss.....	43 Castle Frank Road
Hay, Miss E.....	34 Roselawn Ave.
Hayman, Mr. J. R.....	1031 Spadina Road
Haynes, Mrs. W. G.....	87 King St. E.
Heap, Mr. Wm.....	Wallaceburg, Ont.
Hedgcock, Mr. Henry.....	482 Roxton Road
Hellmuth, Mrs. I. F.....	"Strathallen," Allendale, Ont.
Hemmerick, Mr. C. C.....	85 Sterling Ave., Kitchener, Ont.
Hemphill, Mr. J.....	212 Fulton Ave.
Henderson, Mrs. B. C.....	43 Fourth St., New Toronto
Henderson, Miss Dorothy.....	24 Imperial St.
Henderson, Miss E. M.....	Dundas, Ont.
Henderson, Miss Evelyn E.....	155 Crescent Road
Henderson, Mrs. Joseph.....	155 Crescent Road
Henderson, Mrs. Percy E.....	"Purbrook," Riverview Drive

Henderson, Mr. J. R.	267 Maxwell St., Sarnia, Ont.
Henderson, Mrs. T. B.	88 Spadina Road
Hendrickson, Mr. R.	642 Hillsdale Ave. E.
Hendrie, Mrs. Wm.	"Gateside House," Hamilton, Ont.
Henniger, Mr. M. G.	Smith's Falls
Henning, Mrs. W. J.	259 Warren Road
Henry, Mrs. C. N.	124 King St., Oshawa, Ont.
Hepburn, Mr. Thos.	Preston, Ont.
Hersey, Mr. H. C.	166 St. Leonards Road
Heslop, Mrs. J.	36 Batavia Ave.
Heyes, Mr. C. H.	40 Bowden Ave.
Hickman, Mr. Frank E.	10152 Christopher Columbus, "Ahuntsic," Montreal, P.Q.
Higginson, Mr. H. E.	191 Gainsboro Road
High, Miss Irene	24 Wilcox St.
High, Miss M. B.	61 College St.
Higham, Mrs. H. C.	802 Windermere Ave.
Higham, Mr. H. C.	802 Windermere Ave.
Hilbert, Mrs. Chas.	121 Hogarth Ave.
Hill, Mrs. E.	296 Strathmore Blvd.
Hill, Rev. Canon G. C.	Goderich, Ont.
Hill, Mr. J. A.	102 Hollywood Ave.
Hill, Mrs. Rowland, Jr.	R.R. No. 4, Base Line Road, London, Ont.
Hillary, Miss K.	86 Millwood Rd.
Hillson, Mrs. A. G.	1166 George St., East Windsor, Ont.
Hinman, Mr. H. R.	92 South Drive
Hinton, Mr. Jack.	140 Bowood Ave.
Hoblitzell, Mrs. F. G.	447 Oriole Parkway
Hodgson, Miss L.	18 Foxbar Rd.
Hodgson, Mr. R.	Box 626, Port Hope, Ont.
Hogarth, Mr. Geo.	196 Atlas Ave.
Holgate, Mr. H., M.A.	R.R. No. 3, St. Catharines, Ont.
Holland, Mr. H. A.	11014-97 Ave., Edmonton, Alta.
Holland, Mrs. Norman.	3749 The Boulevard, Westmount, Que.
Holliday, Miss Emma F.	24 Fleet St., Guelph, Ont.
Holloway, Mr. J. H.	124 Glenlake Ave.
Holman, Mrs. G. J.	56 Boulton Ave.
Holway, Mr. H. R.	64 Old Orchard Grove
Home, Miss Isobel	12016-92nd St., Edmonton, Alta.
Homewood Gardens.	Orillia, Ont.
Hood, Mr. W. J.	Brampton, Ont.
Hooker, Mr. E. D.	18 Elgin St. E., Welland, Ont.
Hooper, Mrs. A. E.	1082 St. Clarens Ave.
Hooper, Mr. A. H.	740 St. Maurice St., Montreal
Hooper, Mrs. Harry	548 Huron St.
Hooper, Mr. Harry	548 Huron St.
Hopkins, Mrs. C. W. R.	8 Douglas Ave., Humber Bay, Ont.
Hornby, Mr. T. E.	145 East Main St., Welland, Ont.
Horrox, Mr. H.	38 Queensbury Ave.
Housser, Mr. F. B.	10 Glengowan Road
Hover, Mrs. I.	27 Huff Ave., Grand View P.O., Brantford, Ont.
Howlett, Mr. T. F.	172 Sherwood Ave.
Hoyle, Mr. Geo.	48 Belcourt Rd.
Hudson, Mrs. Sarah C.	Whitby, Ont.
Huehnergard, Mr. J. W.	81 Queen St. S., Kitchener, Ont.

LIST OF MEMBERS

87

Hughes, Mr. Frank, K.C.	176 Balmoral Ave.
Hughes, Mr. L. J.	61 Westmount Ave.
Hughes, Mrs. Pemberton	Islington, Ont.
Hughes, Mr. Stephen	469 Division St., Welland, Ont.
Hughes, Mr. T.	24 Pendean Ave.
Hulbig, Mr. Frank M.	81 Roxborough Drive
Hume, Miss M. A.	Box 302, Port Hope, Ont.
Humphries, Mr. W. H.	274 Boston Ave.
Hunt, Miss A. M.	Madoc, Ont.
Hunt, Mrs. H. M.	88 Sherwood Ave.
Hunt, Mrs. W. C.	274 Runnymede Road
Hurley, Mrs. E. C.	91 Rose Ave.
Hyland, Mrs. Elizabeth	Box 27, St. Mary's, Ont.
Hyland, Mrs. W. G.	112 Kohler St., Sault Ste. Marie, Ont.
Ince, Mr. Jos.	11 Oxford Drive, Mt. Dennis, Ont.
Ingles, Lt.-Col. C. J.	393 Parkside Drive
Ingram, Mrs. T. C.	28 Humberview Rd.
Ireland, Rev. Austin	Thorold, Ont.
Irvin, Mr. Chas.	115 Evelyn Crescent
Irving, Mrs. O.	220 Dunn Ave.
Ives, Miss Mabel	Strathroy, Ont.
Jack, Mr. Archibald	652 Balliol St.
Jack, Mr. Wm.	Box 19, Islington, Ont.
Jackson, Mr. Fred J.	159 Havelock St.
Jaquith, Dr. L. E.	72 Hudson Drive
Janes, Miss Louise	185 Heath St. W.
Janzen Mr. Chas. H.	33 King St. E., Kitchener, Ont.
Jardine, Mrs.	119 Rusholme Road
Jarvis, Mrs. Edgar	16 Elgin Ave.
Jarvis, Mr. E. M.	171 Spadina Road
Jefferson, Mr. W.	59 Queens Ave., Mimico Beach, Ont.
Jeffery, Mr. Ernest	98 Atlas Ave.
Jeffries, Mr. E. A.	Allandale, Ont.
Jellis, Mr. Fred A.	109 Glenforest Road
Jennings, Mrs. A. C.	241 Forest Hill Road, Toronto
Jennings, Mr. John	146 Crescent Road
Jewell, Mr. Geo. S.	719 Waterloo St., London, Ont.
Johns, Mrs. R. N.	86 Brock St., Oshawa, Ont.
Johns, Mr. R. N.	86 Brock St., Oshawa, Ont.
Johnson, Mrs. David	429 Palmerston Ave.
Johnson, Mrs. J. Jukes	60 Bernard Ave.
Johnson, Mr. J. W.	1770 Queen St. East
Johnson, Mr. W. E.	417 St. Clements Ave.
Johnston, Mrs. A. J.	R.R. No. 1, Islington, Ont.
Johnston, Miss E. E.	22 Dewson St.
Jones, Miss Dorothy	2 Moore Ave.
Jones, Mr. LeRoy H.	232 Strathearn Ave., Montreal West, P.Q.
Jones, Mr. S. A.	c-o E. D. Smith & Co. Ltd., Winona, Ont.
Jones, Mr. Thos.	549 Northcliffe Blvd.
Jury, Mr. J. H. H.	Bowmanville, Ont.
Kamm, Mrs. F. J.	52 Warland Ave.
Kamm, Mrs. Wm. G.	20 Frizzell Ave.
Kay, Mr. C. B.	394 Kingswood Rd.
Kay, Mr. Edmund	96 Bloor St. W.

Karges, Mrs. C.	118 William St. E., Waterloo, Ont.
Keating, Miss Gladys	182 Balsam Ave.
Keeswetter, Mrs. J.	56 Norman St., Waterloo, Ont.
Keillor, Mr. James	53 Colin Ave.
Keith, Mr. Gordon C.	49 Turner Road
Kelley, Mrs. H. J.	181 Grenadier Rd.
Kelly, Mr. W. S.	35 Lansdowne Ave.
Kemp, Mr. Arthur	The Lodge, Willistead Pk., Walkerville, Ont.
Kemp, Mrs. W. W.	Forest, Ont.
Kennedy, Mr. E. J. A.	29 Dartmouth Cres., Mimico
Kennedy, Mrs. Fred	Avalon Blvd.
Kennedy, Mr. J. J.	Guelph, Ont.
Kennedy, Mr. John R.	1673 Kingston Road
Kenny, Mr. J. A.	Liverpool, N.S.
Kenny, Mr. W. T.	1 Dodge Road
Kerr, Mr. Geo.	57 Woodrow Ave. East
Kerr, Mrs. Minnie	172 Hiawatha Ave.
Kerr, Mr. R. D.	8 Kitchener Ave., Fergus
Kilvington, Miss C. M.	119 East Ave. S., Hamilton, Ont.
Kilvington, Mr. E.	48 Imperial St.
Kimbark, Mrs. F. M.	1400 Avenue Road
King, Mrs. Cecil C.	114 Imperial St.
King, Mr. Cecil C.	114 Imperial St.
King, Mr. Norman	213 Chippewa St., Sandwich, Ont.
King, Mr. T. C.	Wingham, Ont.
Kirby, Mr. E. H.	190 Woodfield Road
Kirk, Mr. Samuel	Box 673, Whitby, Ont.
Klees, Mrs. J.	Box 461, Aurora, Ont.
Klopp, Dr. H. F.	9 Sophia St., Welland, Ont.
Klosterman, Mr. Geo.	Windsor, Ont.
Kneale, Mr. J. A.	383 Sunnyside Ave.
Knechtel, Miss G.	145 Glenforest Road
Knoll, Mr. Horatio H.	Humberstone, Ont.
Knoll, Mr. Marvin	Humberstone, Ont.
Knowles, Mrs. C. O.	71 Hogarth Ave.
Knowles, Miss Mary M.	71 Hogarth Ave.
Knox, Mrs. D. S.	31 Traymore Cres.
Lahey, Mr. Geo. R.	73 Maple Ave., Welland, Ont.
Laird, Mrs. Alexander	48 Cluny Ave.
Lake, Mrs. A. E.	Islington, Ont.
Lake, Mr. A. J. D.	72 Wolverleigh Blvd.
Lamble, Mr. F. T.	376 King St. E., Oshawa, Ont.
Lang, Mr. Geo. D.	127 Forest Ave., St. Thomas, Ont.
Langmuir, Miss W. D.	288 Bloor St. West
Langton, Miss M.	96 Bloor St. W.
Lapham, Mrs. K.	185 Heath St. W.
Latham, Mr. R. L.	146 Aberdeen Ave., Hamilton, Ont.
Lathrop, Mr. Daniel W.	Parkway Heights, Welland, Ont.
Laurie, Mr. A.	653 Queen Victoria Ave., Westmount, Que.
Lautenschlager, Miss M.	62 Courtland Ave., Kitchener
Law, Miss Maud	1215 Algoma Ave., Moose Jaw, Sask.
Law, Mr. R. B.	208 Main St. N., Welland, Ont.
Lawrence, Miss Anna M.	217 Bay St.
Lawrence, Mrs. Wm.	Weston, Ont.
Lawson, Mrs. J. Earl	3 Rosemary Lane

Lawton, Mr. A. H.	12 Ava Crescent
Layritz, Mr. Richard	c-o Layritz Ltd., Victoria, B.C.
Leak, Mrs. A. H.	38 Edgar Ave.
Leary, Mr. J. L.	97 Sheldrake Blvd.
LeBourdais, Mr. D. M.	103 St. George St.
Leech, Mr. G.	43 Shannon St.
Lefroy, Miss Beatrice	120 Warren Road
Leitch, Mr. Arthur S.	421 Russell Hill, Road
Leonard, Mr. Frank A.	41 Golfview Ave.
Lennard, Miss Winnifred	Dundas, Ont.
Leslie, Mr. W. R.	Experimental Farm, Morden, Man.
Lewin, Mr. H. M. Spencer	435 Mount Pleasant Ave., Montreal, Que.
Little, Miss	16 Brooklyn Ave.
Lewis, Mr. Arthur	Thorold, Ont.
Lewis, Mrs. E.	26 Mallon Ave.
Lewis, Dr. Griffin	600 University Bldg., Syracuse, N.Y.
Lind, Mr. T.	Englehart, Ont.
Lingley, Mr. L. V.	104 Leinster St., St. John, N.B.
Linklater, Mrs. Charles	Angus, Ont.
Little, Mrs. J. F.	Martin St., Milton, Ont.
Little, Mr. Wm.	Agincourt, Ont.
Locke, Mr. A. C.	458 Dupont St.
Locke, Mrs. Hugh W.	Apt. 2, 600 Lonsdale Road
Logie, Mrs. W. H.	377 Walmer Road
Looker, Mr. W. J.	84 Grier St., Belleville, Ont.
Long, Mrs. E. G.	20 Old Forest Hill Rd.
Lorenzen, Mr. E. I.	17 Wiley St., St. Catharines, Ont.
Lough, Mr. Robt.	314 Glenholme Ave.
Lovell, Mr. H. V.	135 Pinewood Ave.
Low, Mr. Thomas	17 Keele St.
Lowe, Mr. Jack	c-o Mrs. Copeland, Brampton, Ont.
Lucas, Mrs. R. A.	63 Duke St., Hamilton, Ont.
Ludwig, Mr. M. H., K.C.	320 Russell Hill Road
Luke, Mrs. L. Herbert	592 Sherbourne St.
Luke, Mr. L. Herbert	592 Sherbourne St.
Lynde, Miss Carrie	110 Earl Grey Road, Toronto
Lyon, Mr. J. W.	161 Queen St., Guelph, Ont.
Maas, Mr. A.	87 Walmer Road
Macabe, Mrs. T. J.	Glenwood Farm, Lansing, Ont.
Macaulay, Mrs. H. R.	85 Queen St., Guelph, Ont.
Macaulay, Mrs. T. B.	3231 The Boulevard, Westmount, Que.
MacCallum, Mrs. James	26 Warren Road
Macdonald College	St. Anne de Bellevue, Que.
MacDonald, Mr. J. W.	129 Waterloo St., Kitchener, Ont.
MacDonald, Mrs. Malcolm	65 William St. W., Kingston, Ont.
Macdonald, Mr. W. B.	18 Heathdale Road
Macdonell, Mrs. A. MacLean	35 Prince Arthur Ave.
Macdougall, Miss Margaret	92 Manor Road East
MacInnis, Mrs. B. S.	238 Poplar Plains Road
Maciver, Mr. J. C.	247 Main St. West, Welland, Ont.
Mackenzie, Mr. Gordon	Milton, Ont.
Mackenzie, Mrs. Phillip	3425 Redpath St., Montreal, Que.
MacKenzie, Mrs.	69 Westmoreland Ave.
MacKenzie, Mrs. J. Alastair	355 Inglewood Drive
Mackey, Mr. John	15 First Ave.

Mackie, Miss Marion.....	44 Central St., Oshawa, Ont.
Mackinnon, Mrs. Ross.....	Oshawa, Ont.
MacLaren, Mr. J. F.....	302 Avenue Road
MacLean, Mr. Donald.....	51 Leuty Ave.
MacLean, Mrs. J. B.....	7 Austin Terrace, Wells Hill
MacLennan, Prof. A. H.....	O.A.C., Guelph, Ont.
MacMurchy, Mrs. Angus.....	67 Chestnut Pard Rd.
Mahon, Mrs. A.....	23 Robert St., Mimico
Malcolmson, Mr. H. H.....	78 Baby Point Road
Many, Mr. Albert.....	19 Shotwell St., Welland, Ont.
Mara, Mr. John A.....	45 St. Clair Ave. West
Mara, Mrs. W. H.....	31 Forest Hill Road
Marsden, Mr. S.....	1928 Dufferin St.
Marsh, Mr. Arthur W.....	Amherstburg, Ont.
Marsh, Mr. C. T.....	17 Bala Ave.
Marshall, Mr. E.....	Gordon Bay, Muskoka
Marshall, Mr. Norman.....	28 Mallon Ave.
Martin, Mrs. C. W.....	Milton, Ont.
Martin, Mr. J. A.....	Kitchener, Ont.
Martin, Mrs. S.....	Box 107, Newmarket, Ont.
Martin, Mrs. W. J.....	20 Avoca Ave.
Martin, Mr. W.....	58 Falcon St.
Masson, Mr. James.....	20 Strader Ave.
Matheson, Mr. J. A.....	Lambeth, Ont.
Mathewson, Mr. W. H.....	Ridgeway, Ont.
Mathieson, Mr. A.....	87 Atlas Ave.
Matthews, Mr. C. A. G.....	122 Dawlish Ave.
Matthews, Miss Frances.....	82 Rusholme Road
Matthews, Mr. T.....	34 Ingham Ave.
Matthews, Mrs. W. E.....	Rockcliffe Park, Ottawa
Maw, Mr. S. H.....	148 Glencairn Ave.
Maxwell, Mr. D.....	Box 192, St. Marys, Ont.
Maxwell, Mrs.....	175 Craighurst St.
Mead, Mr. W. C.....	204 King St. West, Kitchener, Ont.
Meade, Mrs. A. C.....	R.R. No. 1, Islington, Ont.
Mear, Mr. C. E.....	78 Lavinia Ave.
Meredith, Miss H. R.....	472 Dovercourt Road
Merritt, Mr. Stanley, 399 Tolton Ave.,	Normanhurst P.O.,
	East Hamilton, Ont.
Metcalfe, Mr. C. J.....	25 Thompson Blvd., Riverside, Ont.
Michener, Mr. N. G.....	39 Shotwell St., Welland, Ont.
Miles, Mr. W.....	174 Broadview Ave.
Miller, Mr. C. J.....	1663 Gerrard St. East
Miller, Mr. G. G.....	4 Scarboro Cres., Scarboro Bluffs, Ont.
Miller, Mrs. Jean M.....	58 Glengowan Road
Miller, Mrs. L. H.....	Milliken, Ont.
Miller, Mrs. Nixon.....	225 Victor Ave.
Miller, Mr. Robt.....	27 Burnfield Ave.
Miller, Mrs. T. W.....	604 Avenue Rd.
Miller, Mr. W. F.....	395 Glenholme Ave.
Milligan, Mr. Geo.....	Hudson Heights, P.Q.
Mills, Dr. Frank.....	136 Hudson Drive
Millyard, Mrs. W. S.....	Coboconk, Ont.
Minns, Dr. F. S.....	120 St. Clair Ave. West
Mitchell, Mr. D. J.....	231 Belsize Drive

Mitchell, Mr. Emerson	1557 Bruce Ave., Windsor, Ont.
Mitchell, Dr. J. P.	198 Walmer Rd.
Mitchell, Mr. Wm.	857 Davenport Road
Mooney, Mrs. P.	4 Hannaford Ave.
Moore, Mr. Chas. G.	77 Depew Ave., Buffalo, N.Y.
Moore, Miss Gwen C.	1014 C.P.R. Bldg.
Moore, Mr. H. J.	Islington, Ont.
Moore, Mrs. H. W.	75 Fitch St., Welland, Ont.
Moore, Mrs. Isabel	143 Kingston Road
Moore, Mr. Walter	40 Frederick Ave., Hamilton, Ont.
Moorhouse, Mr. W. N.	Box 698, Oakville, Ont.
Morbey, Mr. Fred T.	42 Meyers St., Belleville, Ont.
Morris, Mr. A.	194 Macauley St. East, Hamilton, Ont.
Morris, Mr. Harry	48 Orley Ave.
Morris, Mr. Joseph	194 Macauley St. E., Hamilton, Ont.
Morris, Mr. Pryce	31 Lawrence Ave. W.
Morrow, Mrs. F. K.	16 Wychwood Park
Morrow, Mrs. G. A.	104 Dunvegan Ave.
Morton, Miss Edith	520 Kingston Road
Morton, Mrs. F. G.	441 Water St., Peterboro, Ont.
Morton, Mrs. Thos.	149 Glengrove Ave. W.
Mosley, Mr. H. M.	Fonthill, Ont.
Mould, Mr. L.	44 Pendean Ave.
Mould, Mr. W. H.	310 Willow Ave.
Muckle, Mr. W. H.	108 St. Patrick St.
Muffitt, Miss L.	95 London St.
Muir, Mrs. A. H.	250 Frontenac St., Kingston, Ont.
Mulholland, Mr. F. A.	132 Blythwood Rd.
Murphy, Miss E. G.	11011 88th Ave., Edmonton, Alta.
Murray, Miss Edna	75 Sheldrake Bvd.
Murray, Mr. J. R.	678 Grain Exchange Bldg., Winnipeg, Man.
Murton, Major J. C.	67 Walmsley Blvd.
Musselman, Mr. L. B.	17 Rose St., Kitchener, Ont.
Myhill, Mr. A. S.	Welland, Ont.
McAndrew, Miss Annie M.	80 Binscarth Road
McAree, Mr. J. V.	40 Cavell Ave., Mimico, Ont.
McCallum, Mr. J. D.	Almonte, Ont.
McCallum, Mrs. Peter	Almonte, Ont.
McCauley, Mr. Wm.	Box 811, St. Marys, Ont.
McClain, Mrs. R. Watson	29 Dunbar Road
McCombs, Mr. Elgin E.	R.R. No. 5, Fenwick, Ont.
McCord, Mr. Thos.	Highland Creek, Ont.
McCormack, Mr. George F.	383 Wilbrod St., Ottawa, Ont.
McCormick, Mrs. B. J.	Oshawa, Ont.
McCormick, Mrs. J. P.	R.R. 2, Watford, Ont.
McCready, Mr. S. B.	430 Brunswick Ave.
McDonald, Mr. Kenneth	Box 115, Ottawa, Ont.
McDowell, Mr. F. M.	9 Ferndale Ave.
McDowell, Mrs. F. M.	9 Ferndale Ave.
McFadden, Mrs. J. J.	Spragge, Ont.
McFadden, Mr. S. A.	79 King St., West
McFarlane, Mr. Paul A.	637 Sydenham Ave., Westmount Que.
McGaw, Mrs. T. D.	41 Roxborough Drive
McGonigle, Mrs. T. C.	43 Cuthbert Cres.
McGregor, Mr. E. P.	Sunderland, Ont.

McIlvride, Mr. Robt.	66 Hooker St., Welland, Ont.
McKay, Mr. J.	3 Bonnie Brae Blvd., East York, Ont.
McKee, Mr. G. E.	402 Rosemary Road
McKee, Mrs. J. A.	53 Walmer Road
McKenzie, Mr. A. D.	315 Rushton Road
McKeown, Mrs. S. W.	40 Rosedale Road
McLaren, Mrs. J. W.	218 Vesta Drive
McLauchlin, Miss Mary	7 Old Orchard Grove
McLaughlin, Miss A.	77 Forest Hill Road
McLean, Mr. A. E.	53 Ridge Drive
McMahon, Mr. John	32 Bracken Ave.
McMann, Mr. Henry	Thorold, Ont.
McMillan, Mrs. Gordon	North River, P.E.I.
McMillan, Dr. G.	53 Oak Knoll Dr., Hamilton, Ont.
McMurray, Mr. L. S.	10 Chestnut Park Road
McMurray, Mr. Leonard	62 Maple Ave.
McNeice, Mrs. James	108 Maple Ave., Welland, Ont.
McNeice, Mr. T.	232 Maplewood Ave.
McRuer, Mr. J. C.	46 Glen Ayr Road
McTavish, Mr. J. C.	10164-119th St., Edmonton, Alta.
McTavish, Miss J. J.	143 Kingston Road
Nash, Major A. E.	"The Pines," Donwoods Drive, York Mills, Ont.
Nattress, Dr. J. A.	171 Church St., Sault Ste. Marie, Ont.
Naughton, Mr. J. H.	85 Richmond St. W.
Naylor, Mr. Thos.	10 Douglas Ave., Humber Bay, Ont.
Neff, Mr. E. F.	Box 107, St. Catharines, Ont.
Neilson, Mrs. John	3 Avalon Blvd.
Newmaster, Mr. C. J.	75 Young St., Welland, Ont.
Niagara Brand Spray Co.	Burlington, Ont.
Nichols, Mr. Emerson	8 St. James Court Apts., London, Ont.
Nicholls, Mr. G. F.	Box 817, Cobourg, Ont.
Nicolas, Mr. J. H.	Newark, N.Y.
Nicholson, Mrs. James	130 Glen Road
North, Miss C.	14 Chaplin Cres.
Norton, Mr. Harry A.	Edgewater Farm, Ayer's Cliff, Que.
Nottie, Mr. Peter	446 E. Main St., Welland, Ont.
Nunn, Mr. Geo.	6288 Angus Ave., Vancouver, B.C.
Nurse, Mr. Alfred	44 Maughan Cres.
Occomore, Mr. Frank	Collingwood, Ont.
Occomore, Mr. H.	Norfolk St., Guelph, Ont.
O'Connor, Mr. William	65 Tranby Ave.
O'Donnell, Mr. J. J.	287 Greenwood Ave.
O'Donnell, Mr. J. R.	Port Colborne, Ont.
O'Harrow, Mrs. Martin	370 Lauder Ave.
O'Malley, Mrs. C.	159 Geneva St., St. Catharines, Ont.
Otto, Mr. John H.	Roseisle, Man.
Palin, Mr. Chas. S.	c-o Sun Life Assnce Co., 60 Victoria St.
Pannell, Mr. H.	160 Lawrence Ave. W.
Parent, Mrs. Gilbert	1341 Ottawa St., Riverside, Ont.
Parkinson, Mr. A. E.	St. Mary's, Ont.
Parlee, Mr. H. H.	301 Bank of Commerce Bldg., Edmonton, Alta.
Partridge, Mr. H. DeV.	12 High Park Ave.
Partridge, Mr. J. A.	93 Dromore Cres., Hamilton, Ont.
Pascoe, Mr. Hy. M.	32 Forsyth Cres.

Patterson, Mr. A. B.	11 Bedford Road
Patterson, Mr. C. F.	University of Saskatchewan, Saskatoon, Sask.
Patterson, Mr. H. W.	655 Lincoln Road, Walkerville, Ont.
Patton, Mr. D. C.	Box 56, Islington, Ont.
Pearce, Miss J. M.	50 Howland Ave.
Pearen, Miss M.	70 Manor Road E.
Perron, Mr. W. H.	929 St. Lawrence Blvd., Montreal, Que.
Pearson, Mr. F.	497 Nairn Ave.
Peck, Miss Myrtle	267 Anne St., Belleville, Ont.
Peek, Mr. A. L.	203 Douglas Drive
Pell, Mr. James	223 Havelock St.
Pellatt, Mrs. R.	Walmer Road Hill
Pemberton, Mr. G. C. T.	187 Sherwood Ave.
Pennell, Miss M.	26 Withrow Ave.
Pennington, Mrs. C. W.	35 Cross St., Dundas, Ont.
Pennington, Mr. E. D.	Dundas, Ont.
Penrice, Mrs. B. R.	119 Brock St., Brantford, Ont.
Pepper, Mrs. W.	Forest, Ont.
Pequegnat, Mr. A. E.	c-o Mutual Life Assnce. Co., Waterloo, Ont.
Perry, Mrs. A.	83 Woodlawn Ave. E.
Perry, Mr. C. W.	45 Cheltenham Ave.
Perry, Mr. H. Douglas	249 Edison Ave., St. Lambert, Montreal, Que.
Perry, Mrs. Norman	8 Chestnut Park Rd.
Petry, Mr. W. F.	27 Rosehill Ave.
Pettigrew, Miss G.	44 Mont St., Guelph, Ont.
Pettit, Mr. Geo. H., M.P.	50 Dorothy St., Welland, Ont.
Phillips, Mr. Chas.	7 Indian Grove
Phillips, Miss P. E.	363 Spadina Road
Phillips, Mr. R. C.	90 Albertus Ave.
Pickering, Mr. Wm.	Mt. Forest, Ont.
Pickett, Mrs. C.	17 John St., Waterloo, Ont.
Piesley, Mrs. F.	59 Empress Cres.
Pike, Mr. Frank	Bank of Montreal, Edmonton, Alta.
Pinchin, Mr. Robert	Clarkson, Ont.
Plant, Mrs. Z.	4 Douglas Ave., Humber Bay, Ont.
Plumb, Mr. B.	178 Delaware Ave.
Pogue, Miss A. M.	23 Chudleigh Ave.
Poland, Mr. G. W.	201 Westmoreland Ave.
Portch, Mr. J. H. V.	Islington, Ont.
Portch, Mrs. J. H. V.	Islington, Ont.
Porter, Mr. C.	10733 79th Ave., Edmonton, Alta.
Porter, Mrs. Harry L.	Galt, Ont.
Potts, Mr. L. J.	52 Fernwood Park Ave.
Powell, Miss Marion	Radnor, Pa.
Pratt, Mr. Anson H.	248 Albert S., Ottawa, Ont.
Pratt, Mr. C. E.	368 Lauder Ave.
Pratt, Miss L. R.	368 Lauder Ave.
Pratt, Mr. Robt. A.	353 Balliol St.
Preston, Miss Isabella	Central Experimental Farm, Ottawa, Ont.
Price, Dr. F. D.	351 Sherbourne St.
Price, Miss Janet	52 Teddington Park Blvd.
Price, Col. W. H.	6 Ridout St.
Pridham, Mr. A. M. S.	Ithaca, N.Y., "Cornell University"
Pridham, Mrs. W. S.	226 Cottingham St.
Pritlove, Mr. E. P.	185 Grange St., Guelph, Ont.
Proudfoot, Miss J. A.	33 Willowbank Blvd.

Pugh, Mr. F.	c-o Research Dept., T. Eaton Co. Ltd., Winnipeg, Man.
Purdon, Mr. Chas. B.	287 Wolverleigh Blvd.
Purdy, Mr. F. M.	96 Douglas Drive
Pyke, Mrs. Gordon	3238 The Boulevard, Westmount, Que.
Quin, Miss de Lisle	11 Oaklands Ave.
Radford, Mr. H.	R.R. No. 1, Islington, Ont.
Rae, Mrs. A. M.	32 Radford Ave.
Ragen, Mr. H. J.	13 Hurndale Ave.
Ramsay, Mr. T. B.	Box 85, Sudbury, Ont.
Randall, Mr. T. J.	22 Edgewood Ave.
Rankin, Mr. Arthur E.	721 Barnesdale Blvd., Hamilton, Ont.
Ratcliffe, Mrs. J. H.	12 Glenview Ave.
Rathbun, Mrs.	"Greenbank," Deseronto, Ont.
Ray, Mr. Malcolm	4 Wendigo Road
Raymond, Lt.-Col. L. C.	114 Merritt St. W., Welland, Ont.
Reardon, Mrs. H. M.	99 Moore Ave.
Reddick, Mrs. W. H.	437 Crawford St.
Reeve, Mrs. C. M.	230 Bloomfield Ave., Montreal, Que.
Reid, Mr. Douglas	180 Kingsmount Park Road
Reid, Mrs. G. A.	62 Wychwood Park
Reid, Dr. Minerva	125 Annette St.
Reid, Mr. R. H.	Box 475, Goderich, Ont.
Reid, Mr. W. C.	179 Dundas St., Belleville, Ont.
Reilly, Mr. H. J.	24 Smith St., Welland, Ont.
Reisdorf, Mrs. John F.	North Java, N.Y., U.S.A.
Rennie, Mrs. Frank	Cor. Scott and Victoria, Walkerton, Ont.
Rennie, Miss Jean	R.R. No. 3, New Hamburg, Ont.
Repar, Mr. Joseph	27 Crowland St., Welland, Ont.
Rexworthy, Mr. F.	114 Catharine St. S., Hamilton, Ont.
Richards, Dr. G. E.	26 Doncliff Drive
Richardson, Mrs. E.	222 Victor Ave.
Richardson, Mr. J.	222 Victor Ave.
Richardson, Mrs. J.	Box 5, Drumbo, Ont.
Richardson, Mr. John	c-o Mrs. W. J. Bell, Sudbury, Ont.
Ridge, Mr. F. G.	25 Hillingdon Ave.
Riggs, Mrs. F. L.	115 St. Clements Ave.
Rigney, Mr. T. J.	169 King St., Kingston, Ont.
Ritchie, Dr. A. B.	193 Woolwich St., Guelph, Ont.
Ritz, Mr. E. O.	60 Heins Ave., Kitchener, Ont.
Robbins, Mrs. W. D.	750 Logan Ave.
Roberts, Mr. A. G.	70 Broadway
Roberts, Mrs. Harry C.	10 Harbord St.
Roberts, Mr. J.	154 Queens Ave., Mimico
Roberts, Mr. T.	483 Parkside Drive
Roberts, Mr. W. J.	288 Lakesore Rd., Mimico
Robertson, Miss Marion	Walkerton, Ont.
Robertson, Mrs. N. S.	"The Retreat," Arnprior, Ont.
Robinson, Mr. Alfred	319 Sunnyside Ave.
Robinson, Mr. H. A.	290 Briarhill Ave.
Robinson, Mr. Harold C.	205 Yonge St.
Robinson, Mr. J. Beverley	3 Strathearn Road
Robinson, Mr. J. E.	Parkhill, Ont.
Robson, Mr. A. H.	69 St. Edmunds Drive
Robson, Mrs. R. B.	308 Devonshire Road, Walkerville, Ont.

LIST OF MEMBERS

95

Rodgers, Mr. Thos. L.	70 Rowntree Ave., Toronto
Rogers, Mr. W. H.	115 Normandy Blvd.
Rolph, Mrs. John H.	229 N. Main St., Welland, Ont.
Root, Mr. Wm.	40 Pine St., Brockville
Ronalds, Mrs. Russell E.	701 Keefer Bldg., Montreal, Que.
Rose, Hon. Mr. Justice	86 Roxboro East
Rose, Mrs. Hugh A.	Welland, Ont.
Ross, Mr. K. G.	The Poplars, Sault Ste. Marie, Ont.
Rose, Miss L. N.	199 Avenue Road
Rose, Miss M. E.	33 Fraser St., Welland, Ont.
Rosebrugh, Mr. Oscar	37 Lincoln Ave., Galt, Ont.
Ross, Dr. H. H.	Seaforth, Ont.
Ross, Mrs. R. D.	93 Forest Hill Road
Ross, Mr. Victor	56 Church St.
Ross, Mr. Walter	87 Evans Ave.
Ross, Mrs. W. D.	116 Crescent Road
Roulston, Dr. G. F.	Exeter, Ont.
Rowand, Mrs. Elmer	Walkerton, Ont.
Rowland, Miss Ella M.	19 Isabel St., Belleville, Ont.
Rowlatt, Mr. F. Albany	Oakville, Ont.
Ruddy, Mr. E. L.	84 Roxborough Drive
Rumley, Mr. Chas.	26 Heyworth Cres.
Rupert, Miss Dorothy	1 Foxbar Road
Ruttan, Mr. C. M.	17 Ava Road, Forest Hill Village, Ont.
Ryan, Mr. W. A.	137 Balmoral Ave.
Ryrie, Mrs. Harry	18 Clarendon Ave.
Salt, Mrs. F. H.	Niagara-on-the-Lake, Ont.
Salter, Mr. B. O.	155 Alcorn Ave.
Sampson, Mr. C.	Lynden, Ont.
Sanders, Mrs. H.	31 Northview Ave.
Sanders, Mr. Paul B.	Ontario Agricultural College, Guelph, Ont.
Sandham, Mrs. Wm. H.	55 Neville Park Blvd., Toronto
Satterley, Mrs. John	95 Bernard Ave.
Saunders, Mrs. E.	65 Chestnut Park Rd.
Scandrett, Mr. H. B.	64 Bernard Ave.
Scarlett, Mr. M.	5 Willard Ave.
Scheifle, Mr. Chris.	96 William St., Waterloo, Ont.
Schmidt, Mr. A.	Wildwood, Alta.
Schnick, Dr. J. A.	7 John St. N., Hamilton, Ont.
Schondelmeyer, Mr. C.	39 Church St., Waterloo, Ont.
Schorman, Mr. W. A. P.	191 Douglas Drive
Schroeder, Mr. Chas. F.	34 Dufferin Road, Ottawa, Ont.
Scofield, Mr. J. C.	Roseland, Ont.
Scott, Rev. Dr. A. H.	Perth, Ont.
Scott, Mrs. Frank R.	122 Forest Hill Road
Scott, Mr. G. A.	67 Balmoral Ave.
Scott, Mrs. J. H.	86 Wilson Ave.
Scott, Mr. W. R.	Beamsville, Ont.
Selwood, Mr. Arch.	3791 Arbutus St., Vancouver B.C.
Servos, Mrs. John R.	149 Redpath Ave.
Shackleton, Mrs. A.	31 Errington Ave.
Shantz, Mrs. N.	23 Cameron St. N., Kitchener, Ont.
Shapero, Mr. B.	259 Grace St.
Shaw, Miss C. S.	5A Thorncliffe Ave.
Shaw, Mrs. Geo. B.	307 Blythwood Road

Shaw, Mr. Stanley O.	85 Seymour Ave.
Shearer, Mr. H. F.	73 Queen St., Welland, Ont.
Shearer, Mrs. W. K.	119 Deloraine Ave.
Shearson, Mrs. C. A.	3 Clarendon Cres.
Sherring, Mr. John B.	320 Durie St.
Shewring, Mr. Frederick J.	362 Blackthorn Ave.
Shields, Mr. George, M.P.P.	24 Edgewood Ave.
Shortt, Mrs. C. A.	52 Rosemount Ave.
Shulver, Mr. Eric	914 Carlaw Ave.
Sierolawski, Mr. B.	654 Bronson Ave., Ottawa, Ont.
Simmers, Miss L. T.	22 Balliol St.
Simpson, Mr. George	Clemow Ave., Ottawa
Simpson, Mr. Jack	40 Todd St., Galt, Ont.
Simpson, Mr. W. W.	143 Cambridge St., Guelph, Ont.
Simpson-Scott, Mrs. M. D.	11 Merritt St. E., Welland, Ont.
Sinclair, Dr. C. W.	Aylmer, West, Ont.
Sinclair, Mr. James L.	8 Salem St., Medford, Mass.
Sisman, Mr. Geo.	Box 385, Aurora, Ont.
Skelton, Mr. J. T.	15 Emslie St., Guelph, Ont.
Skirrow, Mr. E. W.	47 Eastbourne Cres., Mimico
Small, Mr. Frank	c-o Steele Briggs Seed Co., Ltd.
Small, Mrs. Sidney	70 Walmer Road
Smart, Mr. J. T.	Sudbury, Ont.
Smith, Mr. A. L.	131 Aqueduct St., Welland, Ont.
Smith, Mrs. A. L.	131 Aqueduct St., Welland, Ont.
Smith, Mr. A. R.	45 Shannon St.
Smith, Mr. Ernest	Box 121, Englehart, Ont.
Smith, Mrs. F.	309 Woodbine Ave.
Smith, Mr. Frank	919 Woodbine Ave.
Smith, Mr. G. W.	550 Millwood Road
Smith, Miss H. F.	123 Hilton Ave.
Smith, Mr. J. Albert	16 Wellington St., Kitchener, Ont.
Smith, Mr. J. Fyfe	c-o Fyfe Smith Co. Ltd., Vancouver, B.C.
Smith, Mr. M. J.	82 Church St., Kitchener, Ont.
Smith, Mr. Robert	399 Brunswick Ave.
Smith, Mr. W. Assheton	18 Elm Ave.
Smith, Mrs. W. E.	79 Gormley Ave.
Smyth, Mr. C. J.	167 Glenforest Road
Snively, Major A. C.	20 Heathdale Road
Snyder, Dr. George B.	1421 Victoria Ave., Niagara Falls, Ont.
Somers, Mr. E. S.	263 Vaughan Road
Somerville, Miss B.	99 Tyndall Ave.
Somerville, Mr. Chas. R.	177 Merritt St., Welland, Ont.
Southam, Mrs. F. M.	62 Laing St.
Soward, Mrs. V. E.	236 Maplewood Ave., Toronto
Soward, Mr. V. E.	236 Maplewood Ave., Toronto
Sowards, Mr. J. F.	Ontario St., Kingston
Sparling, Mr. M. W.	Cobourg, Ont.
Sparling, Mr. R. R.	6 Ferndale Ave.
Spavera, Mr. James R.	Box 807, Ingersoll, Ont.
Spencer, Mr. J. B.	154 Carling Ave., Ottawa, Ont.
Spencer, Mrs. L. B.	60 Merritt St. W., Welland, Ont.
Sproatt, Miss Margaret	Glenwood Farm, Port Hope, Ont.
Squair, Mrs. J.	368 Palmerston Blvd.
Staples, Mr. Owen	69 Hogarth Ave.

LIST OF MEMBERS

97

Starr, Mrs. Clarence.....	185 Teddington Park Ave.
Starr, Mrs. F. N. G.....	112 Warren Road
Startup, Mr. Edward.....	58 Eastwood Ave.
Staunton, Miss Annie.....	93 Roxboro East
Staunton, Mrs. A. Lynch.....	Mountain Brow, Hamilton
Steele, Mr. A. L.....	Fergus, Ont.
Steiss, Mr. Gordon.....	27 Hohner Ave., Kitchener, Ont.
Stenton, Mr. G. M.....	451 Victoria St., Kingston, Ont.
Stephens, Mrs. M. D.....	137 Bedford Road
Stephenson, Mr. O. E.....	60 Leuty Ave.
Stevenson, Mr. D. R.....	226 Ranleigh Ave.
Stewart, Mr. D. H.....	91 Colbeck St., Toronto
Stewart, Mr. Fred H.....	10 Springhurst Ave.
Stewart, Miss Jean.....	586 Huron St.
Stewart, Mr. J. A.....	65 Westmount Ave.
Stiles, Mr. H. W.....	11150 89th Ave., Edmonton, Alta.
Stocker, Mr. Walter.....	539 Gilmour St., Peterboro, Ont.
Storms, Dr. Douglas G.....	82 Stanley Ave., Hamilton, Ont.
Strachan, Mr. James.....	64 Wellington St. West
Strange, Mr. Edgar.....	1422 Bridge St., Niagara Falls, Ont.
Strathy, Mrs. H. F.....	358 Glenmanor Drive
Strong, Mr. Harold J.....	9 Rosemary Lane
Strudley, Mr. H. W.....	186 Mornington Rd., Stratford, Ont.
Stubbs, Mr. Roy N.....	315 Kingswood Road
Stubington, Mr. G.....	52 Beaufort Rd.
Stuckey, Mrs. E. A.....	Schomberg, Ont.
Sturges, Mr. Harold.....	113 Blantyre Ave.
Sturges, Mrs. Harold.....	113 Blantyre Ave., Toronto
Suckling, Mrs. W. A.....	104 Eastbourne Ave.
Sulman, Mr. C. D.....	Box 69, Chatham, Ont.
Sullivan, Mr. Ambrose.....	111 Eileen Ave., West Toronto
Summerfield, Mrs. Chas.....	47 Humewood Drive
Sutton, Miss M. R.....	73 Richmond St. West
Swift, Mr. A. J.....	32 Symington Ave.
Swift, Mr. James A.....	112 Woodfield Road
Sykes, Mr. Geo. F.....	Brandon, Man.
Symington, Mrs. C.....	41 Chaplin Crescent
Symington, Mr. T. S.....	41 Chaplin Crescent
Tait, Mr. Arthur.....	99 Rockwell Ave.
Taylor, Mr. A. P.....	110 Madison Ave.
Taylor, Mrs. Chas.....	42 St. Germaine Ave.
Taylor, Mr. H. F.....	81 Rosevear Ave.
Taylor, Mrs. T. A.....	Box 467, Dundas, Ont.
Taylor, Mrs. W. N.....	94 Walker Ave.
Tebbs, Rev. G. W.....	Burlington, Ont.
Teeple, Miss Myrtle.....	Box 505, Aylmer West, Ont.
Telford, Mr. R.....	32 Macdonald Ave., Mimico, Ont.
Templin, Miss A. L.....	Fergus, Ont.
Templin, Mrs. Hugh.....	Fergus, Ont.
Templin, Mr. Hugh.....	Fergus, Ont.
Terry, Mr. Fred T.....	545 Annette St.
Teskey, Mr. F. C.....	183 Glenholme Ave.
Thompson, Mrs. A.....	Islington, Ont.
Thompson, Mr. C. A.....	c-o Canadian Bank of Commerce, Brooklin, Ont.
Thompson, Mr. Edgar J.....	134 Duvernay Ave.

Thompson, Mrs. F. E.	134 Duvernet Ave.
Thompson, Mrs. G.	5 Rhyl Ave.
Thompson, Mr. Jos. A.	10 Prince Arthur Ave.
Thompson, Mr. R. H.	320 Glen Ayr Road
Thompson, Mr. Robt.	Byron St. N., Whitby, Ont.
Thoms, Miss A. C.	371 King St. E., Kitchener, Ont.
Thoms, Mr. W. M.	5 Brunswick Ave., Brantford, Ont.
Thomson, Mrs. Ellis.	123 Welland Ave.
Thomson, Mr. P. A.	3219 The Boulevard, Westmount, P.Q.
Thomson, Mr. Wm. O.	520 Victoria Park Ave.
Thomson, Mr. R. M.	Box 20, Old Mill, Ont.
Thomson, Mrs. R. G. O.	301 Russell Hill Road
Thorndyke, Mrs. Chas.	Box 174, Millbrook, Ont.
Thornton, Mr. L. E.	34 Moore Ave.
Tier, Mr. R. H.	Islington, Ont.
Tier, Mrs. R. H.	Islington, Ont.
Tindale, Mrs. C. E.	667 Crawford St.
Tingle, Miss A.	Agincourt, Ont.
Tinson, Mr. Victor.	40 Heath St. W.
Titmarsh, Mr. J. S.	120 Benson Ave.
Tomlinson, Prof. A. H.	O.A.C., Guelph, Ont.
Torgeson, Mr. T. A.	Estevan, Sask.
Towers, Mr. V. J.	10 Grenadier Heights, Toronto
Trimble, Mrs. Clara F.	Norwich, Ont.
Tuer, Miss M.	Port Hope, Ont.
Tuller, Miss Jean	85 Chaplin Crescent
Tullock, Mr. Stewart	99 Raglan Ave., Toronto
Turnbull, Mr. Robt.	66 Babypoint Road
Turnbull, Col. W. R.	Box 60, Dundas, Ont.
Turner, Mr. A.	31 Primrose Ave., Mimico
Turner, Mr. F.	28 Pinewood Ave.
Turner, Mr. James	88 Douglas Drive
Twigger, Mr. Walter	34 Castle Frank Road
Tyrrill, Mrs. H. V.	221 Dunvegan Road
Tyrrill, Mr. E. W.	Bridgeburg, Ont.
Usher, Mr. Harold H.	Queenston, Ont.
Usher, Mr. J.	110 Arthur St., Brantford, Ont.
Ussher, Col. J. F. H.	223 Blythwood Road
VanCleemput, Mr. Leon	116 Duvernet Ave.
Vander Weif, Miss F.	3 Hugo Ave.
Varley, Mrs. Harry	241 Bridge St. E., Belleville, Ont.
Varrall, Miss Lillian	8 Kintyre Ave.
Vaughan, Mrs. E. W.	43 Garnock Ave.
Vaughan, Mrs. George	869a Bathurst St.
Vaughan, Mrs. M.	24 Merritt St., Welland, Ont.
Vogan, Mr. F.	186 Courcellette Road
Voy, Mr. William	141 Monmouth Road, Walkerville, Ont.
Wadsworth, Mr. W. R.	9 Castle Frank Road
Wagg, Mrs. E.	Mount Albert, Ont.
Wakeley, Mrs. A. J.	213 Parkmount Road
Wallbridge, Mr. Gavin M.	Madoc, Ont.
Waldie, Miss Marion	6 Oriole Road
Walker, Mr. H. E.	85 Oriole Road

Walker, Mr. John	Dept. of Agriculture, Winnipeg, Man.
Walker, Mr. T.	9328-95th St., Edmonton, Alta.
Wallace, Mrs. E. B.	555 Roslyn Ave., Westmount, Que.
Wallace, Mr. T. B.	Napanee, Ont.
Wallbridge, Mr. Gavin M.	Madoc, Ont.
Waller, Mrs. H.	Wroxeter, Ont.
Walsh, Mr. John R.	48 Inglewood Drive
Walsh, Mr. J. W. B.	88 Lowther Ave.
Walter, Mr. F. J.	155 Dowling Ave.
Walters, Mr. John T.	14 Chester Hill Rd.
Walton, Mrs. M. T.	23 Bexley Cres., Mount Dennis, Ont.
Ward, Mrs. D. R.	9 Robert St., Mimico
Ward, Mrs. Leo S.	12 Callendar St.
Ward, Mr. W. E.	c-o General Freight Office, C.P.R., Vancouver, B.C.
Ward, Mr. Wm. C.	Box 136, 7th Ave., Englehart, Ont.
Waring, Mrs. M.	Golf Road, Scarboro, Ont.
Warwick, Mrs. C. E.	303 Kendal Ave.
Watson, Mr. Ford	179 Glenholme Ave.
Watson, Mr. R.	677 Windermere Ave.
Watson, Mr. T. H.	21 Petman Ave.
Watt, Mr. George	109 Jones Ave.
Watt, Mr. J. Douglas	20 Sophia St., Welland, Ont.
Webb, Mr. Lewis	211 Wineva Ave.
Webber, Mrs. John A.	130 Stimson St., Hamilton, Ont.
Webber, Capt. W. J.	103 Rideau Terrace, Ottawa, Ont.
Webster, Mrs. A. J.	365 Lauder Ave.
Webster, Mr. A. J.	365 Lauder Ave.
Webster, Miss H. A.	229 Margueretta St.
Webster, Dr. T. S.	582 Spadina Ave.
Weeks, Mrs. A. Ray	Tillsonburg, Ont.
Wedrick, Mr. Chester D.	Nanticoke, Ont.
Wegenest, Mr. F. W.	1312 Bank of Hamilton Bldg.
Weisbrod, Mr. Paul F.	240 Lorne Ave., Brandon, Man.
Wellington & Davidson	Fonthill, Ont.
Wells, Mr. W. T.	Newtonbrook, Ont.
Welsman, Mrs. I. F.	185 Castlefield Ave.
West, Miss M. E.	2 Hogarth Ave.
Wettlaufer, Mrs. E. A.	Bright, Ont.
Westren, Mr. John	870 Queen St. E., Toronto
Wheeler, Mr. F. C.	171 Courcelette Road
Wheeler, Mr. Geo.	10617 17th Ave., Edmonton, Alta.
White, Mr. E. T.	279 Lauder Ave.
White, Mrs. R. H.	Charlton Apartments, Hamilton, Ont.
Whitehead, Mr. Alfred B.	302 Grande Allee, Quebec, Que.
Whitehead, Mr. W. M.	48 Glen Road
Whiteley, Mrs. J.	189 Glebeholme Ave.
Whitemore, Mr. H. H.	230 Windermere Road, Walkerville, Ont.
Whitley, Mr. R. J.	536-20th Ave. W., Calgary, Alta.
Whittington, Mr. Fred	36 Walmsley Blvd.
Whytock, Mr. P. L.	318 Heath St. E.
Wickham, Mr. M. E.	72 Sherwood Ave.
Wickware, Mr. C. B.	204 Davenport Rd.
Wilby, Miss Olive	83 Rose Ave.
Wilcox, Miss L. A.	225 Yonge St.
Wilfred, Mr. Seth	11 Sophia St., Welland, Ont.

Wilkie, Mrs. M. C.....	312 Lonsdale Road
Wilkinson, Mr. E. H.....	89 Woodlawn Ave. West.
Wilkinson, Mr. John H.....	110 Woodfield Road
Williamson, Miss Elsie.....	525 Mount Pleasant, Westmount, Que.
Williamson, Mr. J. D.....	118 Hillsdale Ave. W.
Williamson, Mrs. S.....	574 Lauder Ave.
Williamson, Mr. S.....	574 Lauder Ave.
Wilmot, Mr. Theo. N.....	30 Tecumseh St., Orillia, Ont.
Wilson, Mrs. A. E.....	89 Binscarth Road
Wilson, Miss Dorothy.....	128 Hilton Ave.
Wilson, Mrs. J. Lockie.....	582 Huron St.
Wilson, Mr. M. J.....	191 Spadina Road
Wilson, Mrs. Turner.....	7 Rowanwood Ave.
Winchester, Miss Doris E.....	14 West Ave.
Winchester, Mr. E. C.....	40 Westminster Ave.
Winnett, Mrs. J.....	165 Craighurst St.
Winter, Miss E. H.....	103 Delaware Ave.
Winter, Miss E. N.....	Meadowvale, Ont.
Winter, Mrs. L. A.....	134 Stibbard Ave.
Winter, Mr. L. A.....	134 Stibbard Ave.
Winter, Mr. Rufas.....	Seaforth, Ont.
Wisheart, Mr. Wm.....	Orillia, Ont.
Woeller, Mr. E.....	16 Clarence St., Kitchener, Ont.
Wolverton, Mrs. J. G.....	St. Marys, Ont.
Wood, Mrs. Wm.....	Box 125, Dundas, Ont.
Woods, Mr. F. L.....	Port Colborne, Ont.
Woods, Mrs. W. B.....	69 Alcina Ave.
Woolley, Mr. John U.....	442 Willard Ave.
Woolrich, Mr. A.....	12 Strader Ave.
Wrong, Prof. G. M.....	73 Walmer Road
Wyatt, Mr. Geo.....	Fairbanks, Toronto
Yates, Miss Mary.....	Meadowvale, Ont.
Young, Mr. E. M.....	Picton, Ont.
Young, Miss Hester.....	524 Euclid Ave.
Young, Mr. John.....	Box 97, Welland, Ont.
Young, Dr. W. A.....	145 College St.

To Our Advertisers.

Whom we heartily commend to our members and readers as reliable and outstanding in their several lines, and eminently worthy of their generous patronage, we wish to express our sincere thanks for their support and assistance in the production of this Annual and trust that their practical interest in "roses" will be amply rewarded.

ADVERTISING COMMITTEE.

To Our Members:

This is **your** Society. The fact that you are a member indicates your belief in its usefulness. Please assist in extending the Society's influence by obtaining at least one new member. Kindly use the attached form.

THE ROSE SOCIETY OF ONTARIO

MEMBERSHIP APPLICATION

MISS H. A. WEBSTER, Secretary,
229 Margueretta Street, Toronto, Ont.

Dear Madam:—

Date.....

(Ordinary)
Please enrol me as a (Sustaining) (strike out two) Member of the Rose Society of
(Life)
Ontario. I enclose herewith \$..... as a subscription to 31st Dec., 1932.

Signed.....

(Mr., Mrs., or Miss)

Address.....

LOVERS of ROSES

will find ours always
fresh and lasting



PERCY WATERS

445 Danforth Avenue
TORONTO

GERRARD 2121

Order Your Bulbs Direct from Holland P. de JAGER & SONS

Established 1870

HEILOO, HOLLAND
Bulb Specialists

Canadian Representative
MARGARET PENNELL
(Member Rose Society)

Harbor Commission Bldg.
TORONTO

FALL CATALOG Ready in May



FLOWERS *too, need a* **Square Meal**

How can you expect them to grow at their best when they are HUNGRY? Give your flowers the nourishment they need. Feed the *square meal* for plants—4 lbs. of Vigoro to every 100 sq. ft. Results will amaze you!

Vigoro, complete, balanced, is the largest selling plant food for flowers, lawns, shrubs, trees. Clean, odorless, easy to use—and inexpensive!

Order Vigoro today from your garden supply dealer.

VIGORO

Complete plant food

MADE IN CANADA

BY

Swift Canadian Co.
Limited
TORONTO

These advertisers want our business. Show them preference in buying.



ROYAL YORK HOTEL

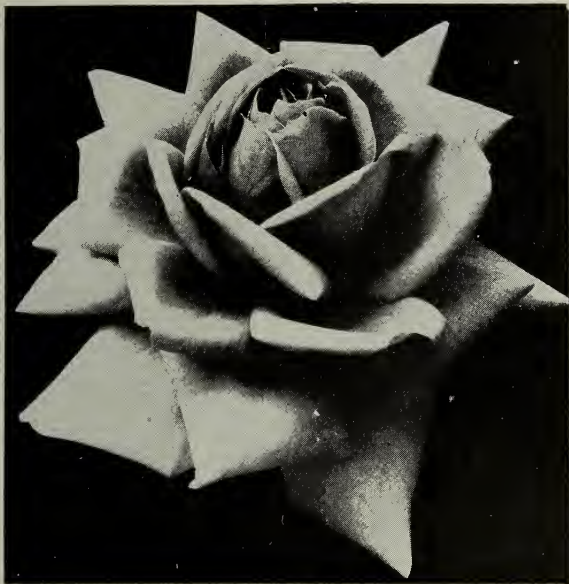
TORONTO

The Empire's Largest Hotel

Headquarters of the
ROSE SOCIETY OF ONTARIO
For their Annual Exhibition

JUNE 28th, 1932

These advertisers want our business. Show them preference in buying.



McDonald's Garden Book

— NOW READY —

Describes—The best in Roses of all types
Hardy Plants for the border
Alpines for the rockery
Water Lilies for the pool
Flower, Field and Vegetable Seeds

COPY ON REQUEST

Kenneth McDonald & Sons, Limited

BOX 115

OTTAWA, ONTARIO

These advertisers want our business. Show them preference in buying.

RED RIVER CEREAL

Cracked wheat, cracked rye
and whole flax combined in the
correct proportions.

*A Delicious
Health Giving Cereal*

Manufactured by
MAPLE LEAF MILLING COMPANY
LIMITED
TORONTO, CANADA

These advertisers want our business. Show them preference in buying.



SMITH'S Winona-Grown Roses

THE Roses that do best in Canadian gardens, are Canadian-grown Roses. Our Ontario-grown Roses are sturdy, hardy, hard-wooded, acclimated bushes, budded on the hardiest of understocks—rose-bushes that are “born” and developed under the same conditions of soil and climate that they will meet in your garden.

Try them, they are different.

E. D. SMITH & SONS, LIMITED
WINONA, ONTARIO

Established 1882

“We grow ours”

These advertisers want our business. Show them preference in buying.

Wedding
and
Social Stationery
Correctly Designed
Immaculately Finished
by
Ellis

ELLIS BROS. LIMITED, 98 YONGE STREET, TORONTO



THE OLD RELIABLE
**FONTHILL
NURSERIES**

Established over 94 years

Headquarters for
Fruit and Ornamental
Stock
Canadian Grown

SEND FOR FRUIT AND
ORNAMENTAL BOOKLETS

Stone & Wellington

Phone ELGIN 7016
Toronto 2

These advertisers want our business. Show them preference in buying.

MERRYWEATHER'S BRITISH-GROWN ROSES

Nurseries :
SOUTHWELL, ENGLAND



Dominion Representative :

SEELY B. BRUSH

32A LOWTHER AVENUE

TORONTO

Telephone KI. 5384

DESCRIPTIVE CATALOGUE ON APPLICATION

These advertisers want our business. Show them preference in buying.

Webb's



BY APPOINTMENT

SEEDS

FERTILIZERS
AND
LAWN
GRASSES
OF
KNOWN
QUALITY



PEAT MOSS

AS A
SUMMER
MULCH
FOR YOUR
ROSES

"A BOOK FOR GARDEN LOVERS"—Mailed Free on Request

EDWARD WEBB & SONS, LTD.

Phone EL. 0650

93 KING STREET EAST, TORONTO, ONT.

Flowers

Are graded by the quality and formation of the bloom and foliage as well as by the length of stem. It is our policy to handle only the better quality.



S. TIDY & SON
LIMITED

Toronto's Oldest Retail Florists

Store and Conservatory
79 KING STREET WEST

PLANT LABELS AND PLANT SUPPORTS

Know your Flowers by using
**Rolph's Reversible
PLANT LABELS**

Made in three sizes: 12", 24", 40"
long. Circular and Sample sent
on request.

Support your Flowers by using
**Rolph's Screw-on
PLANT SUPPORTS**

An entirely new idea and the
best support yet invented for
Peonies, Lilies and the general
run of perennials.

For Circular, address

Rolph Label Works
MARKHAM, ONT.

P.S.—We are large growers of choice
Perennials and Rock Plants in many
novelties, pay us a visit.

These advertisers want our business. Show them preference in buying.



WHEN YOU NEED NEW
ENERGY—WHEN YOU ARE
HOT AND MOUTH IS DRY—
PEP UP WITH . . .

WRIGLEY'S

AFTER EVERY MEAL

Good and Good for You

These advertisers want our business. Show them preference in buying.

EDDIES' ROSES

British Columbia Grown

BEST FOR ALL CANADIAN
CONDITIONS

H. M. EDDIE & SONS, LTD.

Pacific Coast Nurseries
SARDIS, B.C.

It Pays to Pay for QUALITY

BAKER BROS. OFFER THE
BEST DRY CLEANING VALUE
IN TORONTO

If you feel that the BEST is none too good for you . . . BAKER BROS. are the Cleaners and Dyers you are seeking. The BEST in QUALITY, at the lowest possible price.

BAKER BROS., LIMITED
CLEANERS & DYERS

Hillcrest 6627

Dry
Cleaning
at

\$

These advertisers want our business. Show them preference in buying.



Pomo-Green with Nicotine

The Leaf Green ALL-IN-ONE Dust or Spray

A single material used as a dust or a spray to control both insects and diseases on flowering plants and shrubs without being conspicuous on

the foliage. Highest rating given in tests conducted by American Rose Society. Makes the home garden beautiful.

Rose Aphis
Nasturtium Aphis
Sweet Pea Aphis
Japanese Beetle
Leaf Roller
Tarnish Plant Bug
Leaf Beetles
Web Worm
Tent Caterpillar
Flea Beetle
White Fly
Lace Bug
Rose Midge
Red Spider
Cyclamen Mite
Mealy Bug
Countless others

POMO-GREEN
with Nicotine

5 lbs. \$3.00
1 lb.75



Rose Blackspot
Rose Mildew
Lilac Mildew
Phlox Mildew
Sweet Pea Mildew
Dahlia Mildew
Zinnia Mildew
Delphinium Mildew
Hollyhock Rust
Snapdragon Rust
Carnation Rust
Chrysanthemum Rust
Leaf Spot of Box,
Clematis, etc.

And all other diseases which are controlled with sulphur.

POMO-GREEN

5 lbs. \$2.00
1 lb.50

Ask for Descriptive Booklet

NIAGARA BRAND SPRAY CO., Limited
BURLINGTON, ONTARIO
Made in Canada

These advertisers want our business. Show them preference in buying.

Don't Gamble With Your Children's Health !

We could make and sell a so-called "cheaper" bread, but wives and mothers will not (if they can help it) imperil the health of their families by under-nourishing them. You can't get the proper nourishment out of bread unless the nourishing ingredients are put into it.

There is no substitute for either the quality or the quantity of nourishment in Canada Bread — not even price.

CANADA

30 varieties every day

BREAD

There's a Wealth of Health in every Loaf

Prepare now to exhibit at

THE NINETEENTH ANNUAL ROSE SHOW

TO BE HELD ON
TUESDAY, 28th JUNE, 1932
IN
THE ROYAL YORK HOTEL
TORONTO

Canadian Rose Bushes

Bench Grown

Our plants give excellent satisfaction and are preferred to imported plants.

Prices on application

**JOHN H. DUNLOP
& SON, LIMITED**

**8 West Adelaide Street
TORONTO, ONT.**

A cordial invitation is extended to visit the greenhouses at Richmond Hill at all times.

NEOTINE

(Nicotine Sulphate
40%)

**PROTECTS
FLOWERS
AGAINST
INSECTS**

For Sale by Leading
Dealers Everywhere

Chemicals Limited

**384 St. Paul Street West
Montreal, P.Q.
Canada**

These advertisers want our business. Show them preference in buying.

KELLEY'S SEEDS

Sole Agent for Ontario and Eastern Provinces for

Famous
and
Pedigreed

Sutton's Seeds

Reading
England

KELLEY FEED & SEED CO.

High Grade Garden and Field Seeds, Feeds and Poultry Supplies

TORONTO, ONT.

770-780 DOVERCOURT ROAD
Branch—2750 DANFORTH AVE.

Longster's Roses

Grown in Yorkshire in the most exposed nurseries in England, on the bleak North Sea coast, our plants become thoroughly hardy, and of the strongest constitution. If you have had failures in planting, give us a trial.

Catalogue on request.

**G. LONGSTER
& SONS, LIMITED**

MALTON :: ENGLAND

Rose Growers for 129 years

C. A. CRUICKSHANK

Canadian Distributor

365 Glen Grove Avenue W.
TORONTO 12

"Dale Quality"

Rose Bushes

Produce
Prize-Winning Blooms

MAY DELIVERY

Consult your Nearest
Florist or

Write for Information
to

**DALE ESTATE
LIMITED**

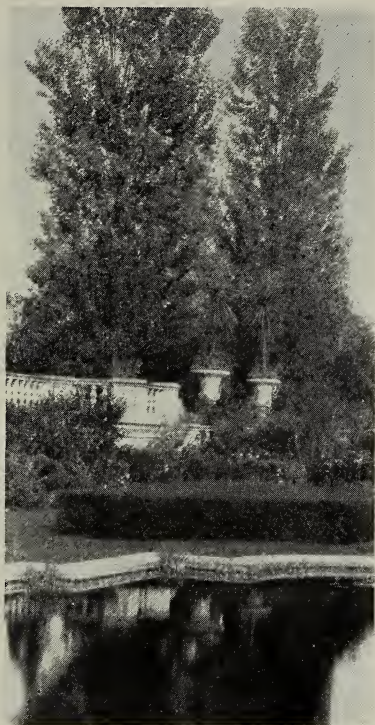
BRAMPTON, ONT.

The finest for Canadian GARDENS. Consult our catalogue.

GEO. KEITH AND SONS
124 KING ST. E. — TORONTO

These advertisers want our business. Show them preference in buying.

*Canada's
Loveliest
Gardens —
Brought
to Your
Armchair*



CANADIAN HOMES & GARDENS

is virtually a garden travelogue every month of the year. It offers the lover of gardens and beautiful things that happy combination of inspiration and practical help which only the true gardener can appreciate. Readers of this all-Canadian magazine find it the most interesting and simplest short-cut to reliable garden-lore. If you are still not counted in this group, correct this serious lapse, and fill in and mail the coupon below. You won't regret it.

.....
CANADIAN HOMES & GARDENS
153 University Ave., Toronto 2, Ont.

I enclose \$3.00 for which please send me CANADIAN HOMES & GARDENS for one year.

Name

Address

These advertisers want our business. Show them preference in buying.

Beautify Your Home « Surroundings with » NATIONAL FERTILIZERS

Steamed Bone Meal for Roses.....	\$2.50
Pure Ground Blood for Roses	3.50
Nitrate of Soda	3.50
Pulv. Cow Manure	3.00
Sulphate of Ammonia	3.25
Sheep Manure, Wizard Brand.....	2.70
Garden, Lawn and Flower Fertilizer	3.50
Special Carnation Food	3.75
Dahlia Food	4.00

All per 100 lb. bags delivered anywhere in City
 or Freight prepaid on 300 lbs and upwards.



NATIONAL FERTILIZERS LIMITED

Head Office and Factory - INGERSOLL, ONT.

Branch Office and Warehouse - WEST TORONTO, ONT.

Phone Junction 4193

These advertisers want our business. Show them preference in buying.

Telephones Ken. 4122-7475 J.

Dickson's "HAWLMARK" Roses

GUARANTEED TRUE TO NAME

BRITISH
Grown Since
1836 .. Only
Selected
Briar Stock
Used

Spring and
Fall delivery

Canadian Representatives :

WEBSTER and PRATT

TORONTO 10, ONTARIO



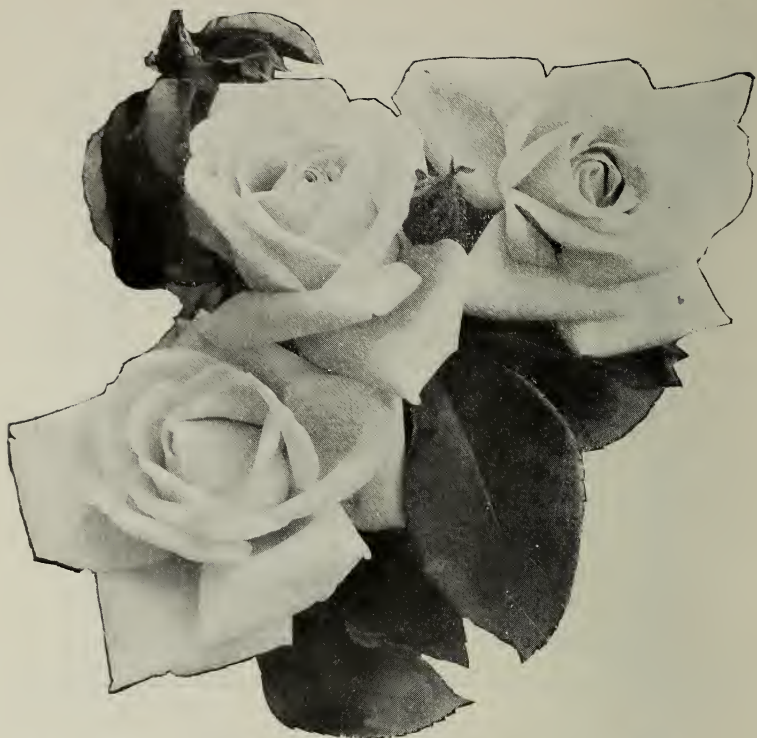
THE MACCOOMB PRESS

*Printers
and Publishers*

104 BOND STREET :: TORONTO

Phone ELGIN 4616

These advertisers want our business. Show them preference in buying.



British Roses are Best

We specialize in

MERRYWEATHER ROSES

"BEEHCROFT" DAHLIAS

CANADIAN-GROWN GLADIOLI

Always Sow

STEELE, BRIGGS' SEEDS

*Send for illustrated 1932 catalogue
of everything for the garden*

STEELE, BRIGGS SEED CO. LIMITED

Canada's Greatest Seed House

137-139 KING ST. EAST, TORONTO Phone EL. 9235-9236
HAMILTON WINNIPEG REGINA EDMONTON

These advertisers want our business. Show them preference in buying.



ROSES *sprayed with*

Fungtrogen
FUNGICIDE FERTILIZER

.... Stand out Amazingly Superior

This unique spray is invisible. It has achieved remarkable success in controlling MILDEW and BLACK-SPOT and in stimulating plant growth.

FOR INSECTS, USE

Aphistrogen
APHID-ROSE FERTILIZER

*Kills Aphides (Plant Lice)
Tones the Foliage*

Insectrogen
TRIPLE SERVICE
FUNGICIDE • INSECTICIDE • FERTILIZER

*Kills Leaf-eating Insects
Safeguards the Foliage*

All three sprays are essential for perfect Roses. Endorsed by Leading Horticulturists. Write for literature.

Manufactured by

ROSE MANUFACTURING COMPANY
PHILADELPHIA, PA.
Established 1897

Distributed in Canada by

SEELY B. BRUSH, 32 Lowther Avenue, Toronto

Only a Spray will reach the underside of leaves where
Insects and Diseases lurk.

These advertisers want our business. Show them preference in buying.

*Diane, daughter of }
Mr. and Mrs. C. T.
Dunseith, Toronto.
Portrait by W. A.
Pidduck.*



THE PORTRAIT STUDIO
AT
EATON'S COLLEGE STREET
under the direction of
MR. PIDDUCK

boasts the fine camera mechanisms—elaborate lighting equipment — artistic direction—that produce a pleasing portrait.... Have your portrait — the children's portraits — taken at the smartest studio in town.

EATON'S COLLEGE STREET (Second Floor)

THE T. EATON CO^o LIMITED

